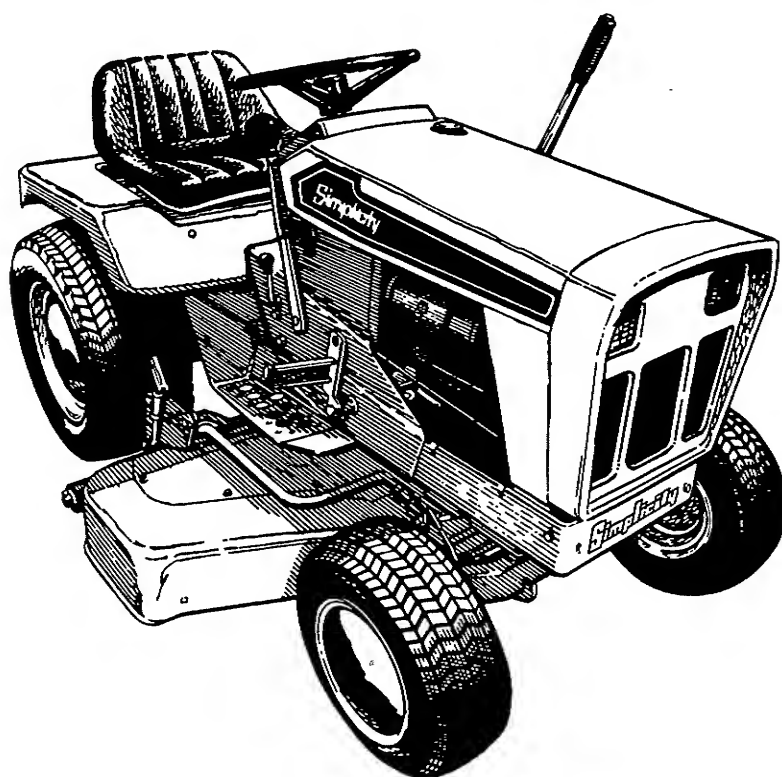


7010 & 7016 6-Speed Garden Tractors

Also covers Allis Chalmers 710 & 716 6-Speed Models



Tractors

Mfg. No.	Description
1690203	7010, 16HP 6-Speed
1690204	7010, 10HP 6-Speed

1690212	Allis Model 716, 16HP Six Speed
1690215	Allis Model 710, 10HP Six Speed

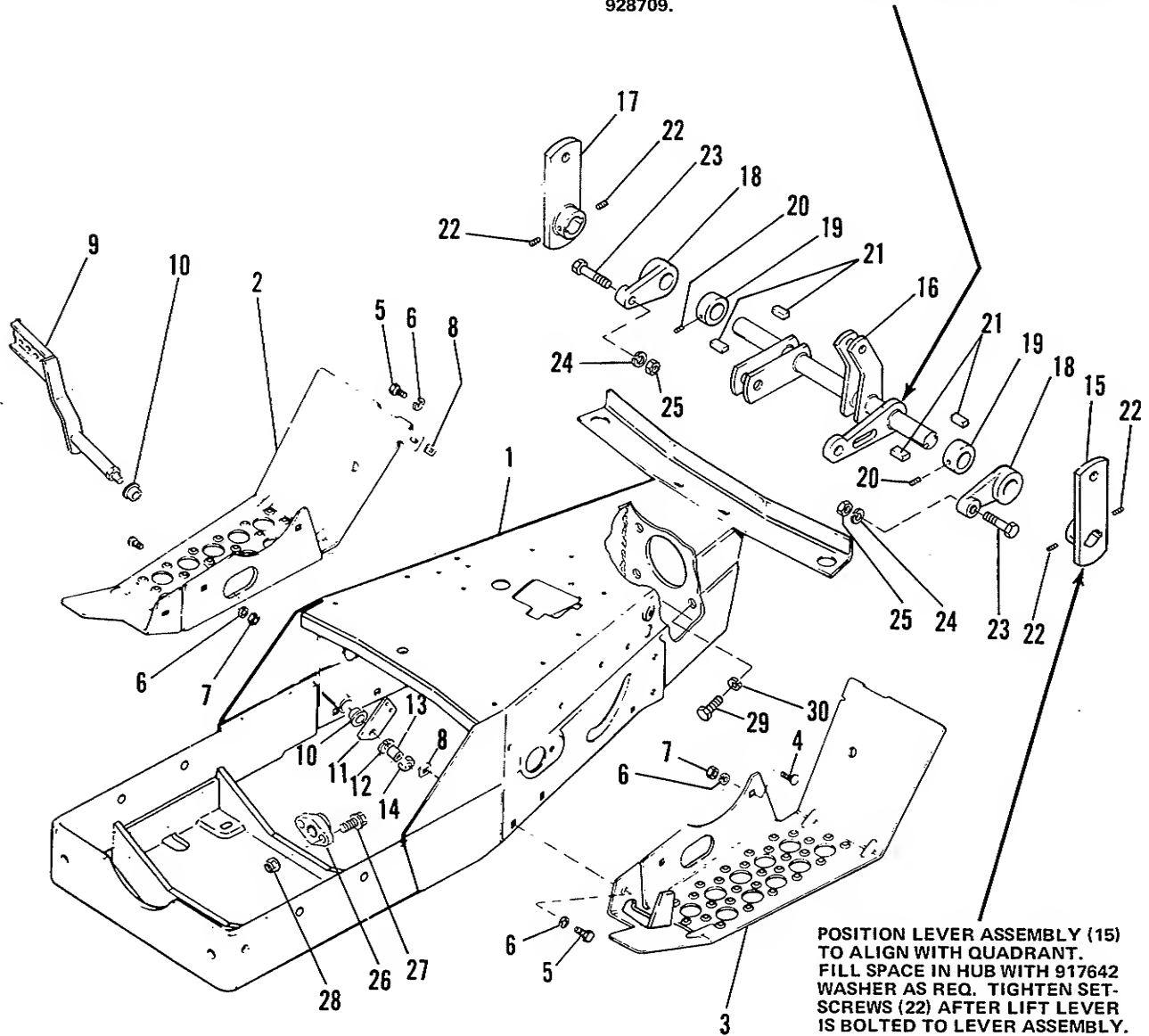
Mower Decks

Mfg. No.	Description
1690252	42" Rotary Mower Deck
1690021	48" Rotary Mower Deck

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STANDARD HARDWARE TORQUE SPECIFICATIONS	Inside Back Cover

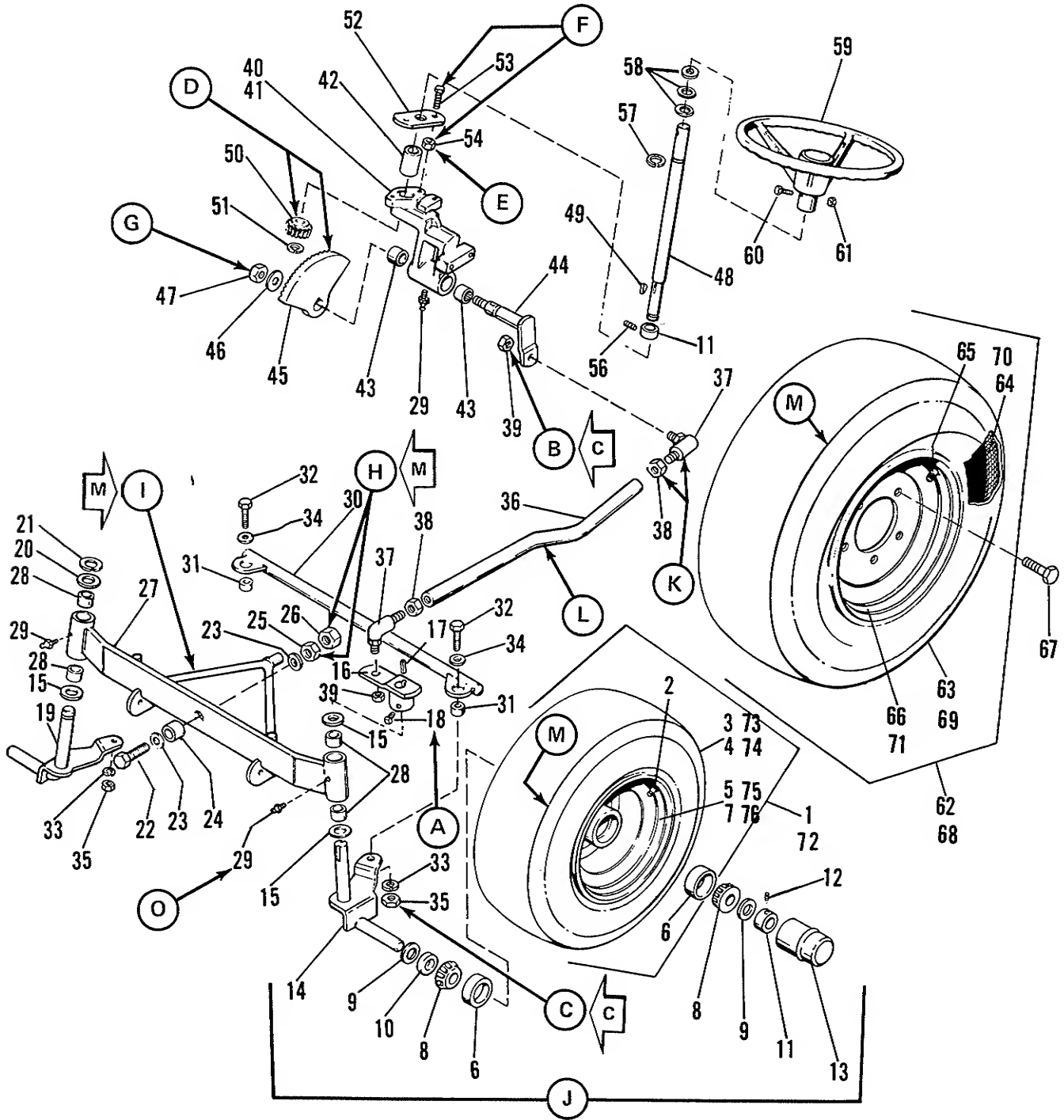
POSITION SHAFT ASSEMBLY 174111 BY ALIGNING LEVER ARM WITH CENTER OF LIFT CABLE PULLEY BRACKET ON RIGHT HAND SIDE OF FRAME. SECURE SHAFT ASSEMBLY IN PLACE WITH SET COLLARS 157624 AND SETSCREWS 928709.



POSITION LEVER ASSEMBLY (15) TO ALIGN WITH QUADRANT. FILL SPACE IN HUB WITH 917642 WASHER AS REQ. TIGHTEN SET-SCREWS (22) AFTER LIFT LEVER IS BOLTED TO LEVER ASSEMBLY.

USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209
UNLESS OTHERWISE NOTED.

Ref. No.	Part No.	Qty.	Serial No.	Description
1	1654933	1	(00000)-()	REAR FRAME ASSEMBLY
2	171271	1	(00000)-()	FOOT REST, R.H.
3	176628	1	(00000)-()	FOOT REST, L.H.
4	923346	6	(00000)-()	BOLT, Carriage, 5/16-18 x 3/4
5	917397	2	(00000)-()	CAPSCREW, Hex Hd., 5/16-18 x 3/4
6	917356	8	(00000)-()	LOCKWASHER, 5/16
7	917372	6	(00000)-()	NUT, Hex, Full, 5/16-18
8	920470	2	(00000)-()	NUT, Speed, Tinn., 5/16-18
9	1657270	1	(00000)-()	FOOT PEDAL ASSEMBLY
10	108419	2	(00000)-()	BUSHING
11	157300	1	(00000)-()	ARM, Pedal Foot
12	917378	1	(00000)-()	WASHER, 3/8
13	916965	1	(00000)-()	LOCKWASHER, 3/8
14	916950	1	(00000)-()	NUT, Hex, Full, 3/8-16
15	157625	1	(00000)-()	FRONT LIFT LEVER ASSEMBLY
16	174111	1	(00000)-()	LIFT SHAFT ASSEMBLY
17	171593	1	(00000)-()	LIFT LEVER ASSEMBLY
18	170975	2	(00000)-()	BEARING, Lift Lever
19	157624	2	(00000)-()	SET, Collar
20	928709	2	(00000)-()	SETSCREW, Cup Pt., 5/16-18 x 3/8
21	157652	4	(00000)-()	KEY
22	928734	4	(00000)-()	SETSCREW, Soc. Hd., 5/16-18 x 1/4
23	921977	2	(00000)-()	CAPSCREW, Hex Hd., 5/16-18 x 1-1/4
24	917356	2	(00000)-()	LOCKWASHER, 5/16
25	917372	2	(00000)-()	NUT, Hex, Full, 5/16-18
26	1653876	1	(00000)-()	BEARING, Pivot
27	928727	2	(00000)-()	CAPSCREW, Whix, 3/8-16 x 1-1/4
28	928352	2	(00000)-()	NUT, Flange, 3/8-16
29	921212	4	(00000)-()	CAPSCREW, Hex Hd., 7/16-14 x 1-1/2
30	918199	4	(00000)-()	LOCKWASHER, 7/16










Ref. No.	Part No.	Qty.	Serial No.	Description
1	171483	2	(00000)-()	WHEEL & TIRE ASSEMBLY (7010 Only)
2	156305	2	(00000)-()	VALVE STEM & CAP (7010 Only)
3	153037	2	(00000)-()	TIRE (7010 Only)
4	153038	2	(00000)-()	TUBE (7010 Only)
5	171484	2	(00000)-()	WHEEL ASSEMBLY (7010 Only)
6	154393	4	(00000)-()	CUP, Bearing (7010 Only)
7		2	(00000)-()	WHEEL (7010 Only)
8	154486	4	(00000)-()	CONE, Bearing
9	171375	4	(00000)-()	SPACER
10	170168	2	(00000)-()	SEAL
11	8021010	3	(00000)-()	COLLAR, Set
12	928691	2	(00000)-()	SETSCREW, Sq. Hd., Cup Pt., 5/16-18 x 5/16
13	154487	2	(00000)-()	CAP, Hub
14	171774	1	(00000)-()	SPINDLE ASSY, L.H.
15	108181	2	(00000)-()	WASHER
16	170998	3	(00000)-()	ARM, Steering, L.H.
17	157427	2	(00000)-()	KEY, Square
18	928721	2	(00000)-()	SETSCREW, 5/16-18 x 1/2
19	157494	1	(00000)-()	SPINDLE ASSY, R.H.
20	8061012	1	(00000)-()	WASHER
21	927794	1	(00000)-()	RING, Retaining, No. 75
22	927469	1	(00000)-()	CAPSCREW, Hex Hd., 1/2-13 x 2-1/4
23	918431	2	(00000)-()	WASHER, Plain, 1/2
24	157618	1	(00000)-()	SPACER
25	930648	1	(00000)-()	LOCKNUT, Hex, 1/2-13
26	913744	1	(00000)-()	NUT, Jam Hex, 1/2-13
27	1650553	1	(00000)-()	FRONT AXLE ASSY
28	154289	4	(00000)-()	BUSHING
29	914687	3	(00000)-()	FITTING, Grease
30	157499	1	(00000)-()	TIE ROD ASSY
31	154177	2	(00000)-()	SPACER
32	917400	2	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
33	916965	2	(00000)-()	LOCKWASHER, 3/8
34	917378	2	(00000)-()	WASHER, Plain, 3/8
35	916950	2	(00000)-()	NUT, Hex, 3/8-16
36	171830	1	(00000)-()	LINK, Drag
37	164272	2	(00000)-()	JOINT, Ball
38	919262	2	(00000)-()	NUT, Jam Hex, 1/2-20
39	930633	2	(00000)-()	LOCKNUT, Hex, 1/2-20
40	171832	1	(00000)-()	STEERING HOUSING ASSEMBLY
41	170960	1	(00000)-()	HOUSING, Steering
42	170992	1	(00000)-()	BUSHING
43	154258	2	(00000)-()	BEARING, Needle
44	170999	1	(00000)-()	STEERING ARM ASSEMBLY
45	170987	1	(00000)-()	GEAR, Bevel
46	918430	1	(00000)-()	WASHER, Plain, 7/16
47	924058	1	(00000)-()	LOCKNUT, Hex, 7/16-14
48	171020	1	(00000)-()	SHAFT, Steering
49	910224	1	(00000)-()	KEY, Woodruff, No. 6, 5/32 x 5/8
50	170988	1	(00000)-()	PINION, Bevel

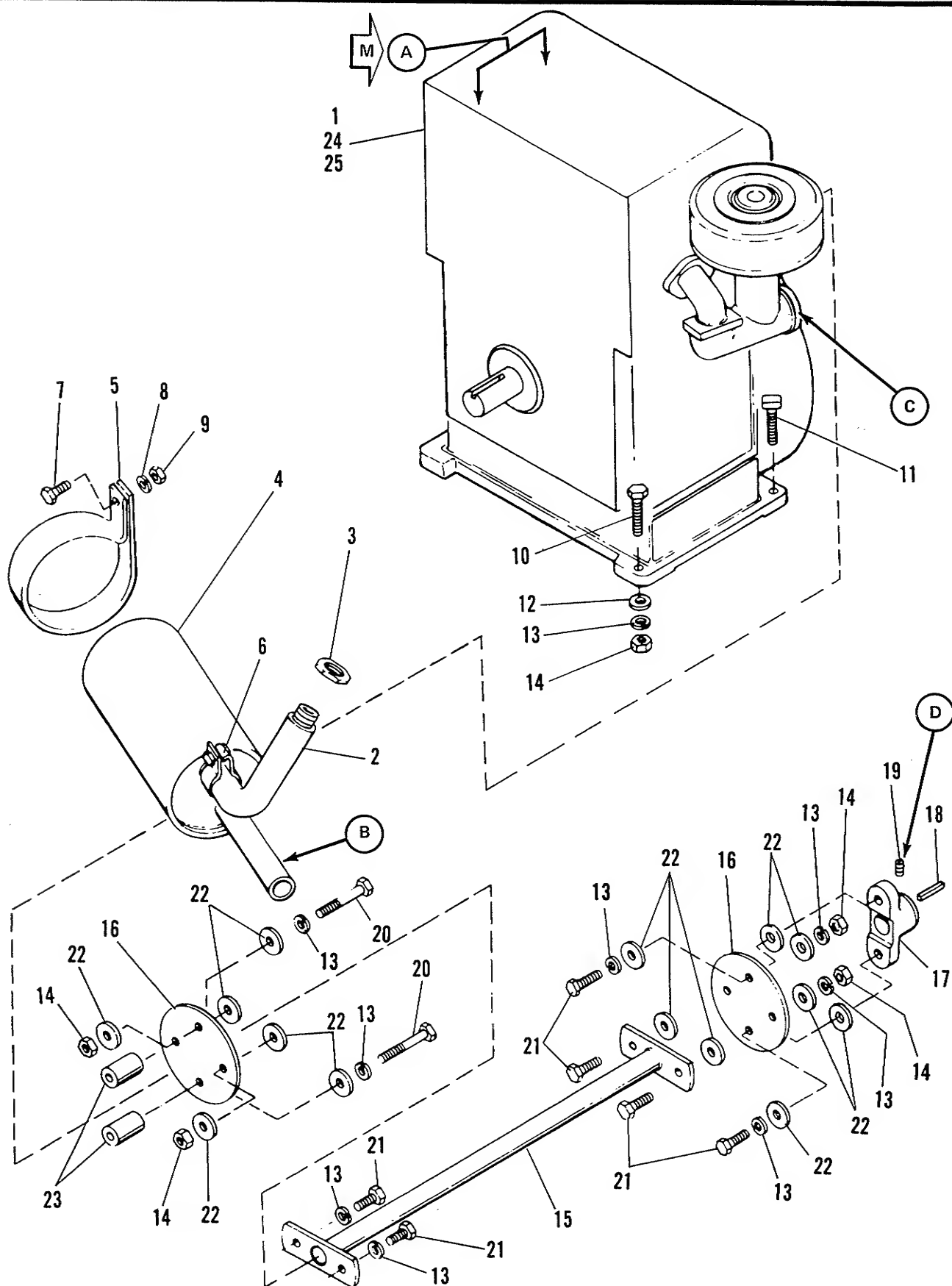
NOTE: PARTS REF. NO. 51-71 CONTINUED
ON THE FOLLOWING PAGE.

Ref. No.	Part No.	Qty.	Serial No.	Description
51	1602155	1	(00000)-()	"E" RING
52	171000	1	(00000)-()	PLATE, Steering
53	917400	2	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
54	928731	2	(00000)-()	LOCKNUT, 3/8-16
56	928734	1	(00000)-()	SETSCREW, Sq. Hd., 5/16-18 x 1/4
57	154264	1	(00000)-()	RING, Retaining
58	158223	3	(00000)-()	WASHER
59	1606342	1	(00000)-()	WHEEL, Steering
60	921977	1	(00000)-()	CAPSCREW, Hex Hd., 5/16-18 x 1-1/4
61	929001	1	(00000)-()	LOCKNUT, Flange, 5/16-18
62	173431	2	(00000)-()	WHEEL & TIRE ASSEMBLY
63	157024	2	(00000)-()	TIRE 23-8.50 x 12
64	157602	2	(00000)-()	TUBE
65	172353	2	(00000)-()	STEM & VALVE CAP
66	173430	2	(00000)-()	WHEEL, Drive
67	8261100	10	(00000)-()	BOLT, Hub
68	173432	2	(00000)-()	WHEEL & TIRE ASSEMBLY 23-10.50 x 12 (7016 Only)
69	1605967	2	(00000)-()	TIRE (7016 Only)
70	157638	2	(00000)-()	TUBE (7016 Only)
71	173430	2	(00000)-()	WHEEL DRIVE (7016 Only)
72	171376	2	(00000)-()	WHEEL & TIRE ASSY
73	157490	2	(00000)-()	TIRE
74	164247	2	(00000)-()	TUBE
75	171377	2	(00000)-()	WHEEL ASSY
76		2	(00000)-()	WHEEL


NOTE: PARTS REF. NO. 1-50 FOUND ON
PRECEDING PAGE

WHEELS, AXLE & STEERING GROUP

- A. Torque to 13 Ft. Lbs. Min. (2 Places).
- B. 930633 Nut — Torque to 40-60 Ft. Lbs. (2 Places). 
- C. Torque to 15-22 Ft. Lbs. (2 Places).
- D. Timing marks on pinion 170988 and gear 170987 must be in line. Do not brush grease on tooth surfaces of gear and pinion. 
- E. Torque 16-21 Ft. Lbs.
- F. Remove backlash in assembly by turning capscrew 917400 until backlash is set and lock by tightening locknut 928731 against plate 171000.
- G. Torque 25-33 Ft. Lbs.
- H. Torque nut 930648 to 80-100 Ft. Lbs. Lock nut in place after torquing by holding nut 930648 and tightening jam nut 913744 to 45-55 Ft. Lbs. 
- I. Axle assembly 1652104 must pivot freely after assembly. 
- J. Assembly items on front spindle in order listed.
- a. 171375 spacer
 - b. 170168 seal
 - c. 154486 bearing
 - d. Wheel & Tire Assembly (171483 for 10 H.P. & 171376 for 13 & 16 H.P.)
 - e. 154486 bearing
 - f. 171375 spacer
 - g. 8021010 Collar & 928641 setscrew — Torque setscrews to 9-10 Ft. Lbs. Min. 
 - h. 154487 hub cap
- Apply lithium grease to bearings 154486 at time of assembly. After assembly is complete, bearings must rotate freely without end play. 
- K. Hold ball joints when tightening jam nuts (2 Places). 
- L. NOTE: Adjust length of drag link assembly 1650571 by positioning end ball joints so that front wheels will be in the straight ahead position when the steering gear arm is positioned at approx. 19° as shown. The steering wheel mounting hole Q_1 is to be parallel to fore and aft Q_2 of tractor.
- M. NOTE: Tire pressure as received from vendor = 20 PSI Min. at time of assembly.
- N. Use standard hardware torque Spec. No. 173209 unless otherwise noted.
- O. Apply grease to spindle bearings (2 Places).



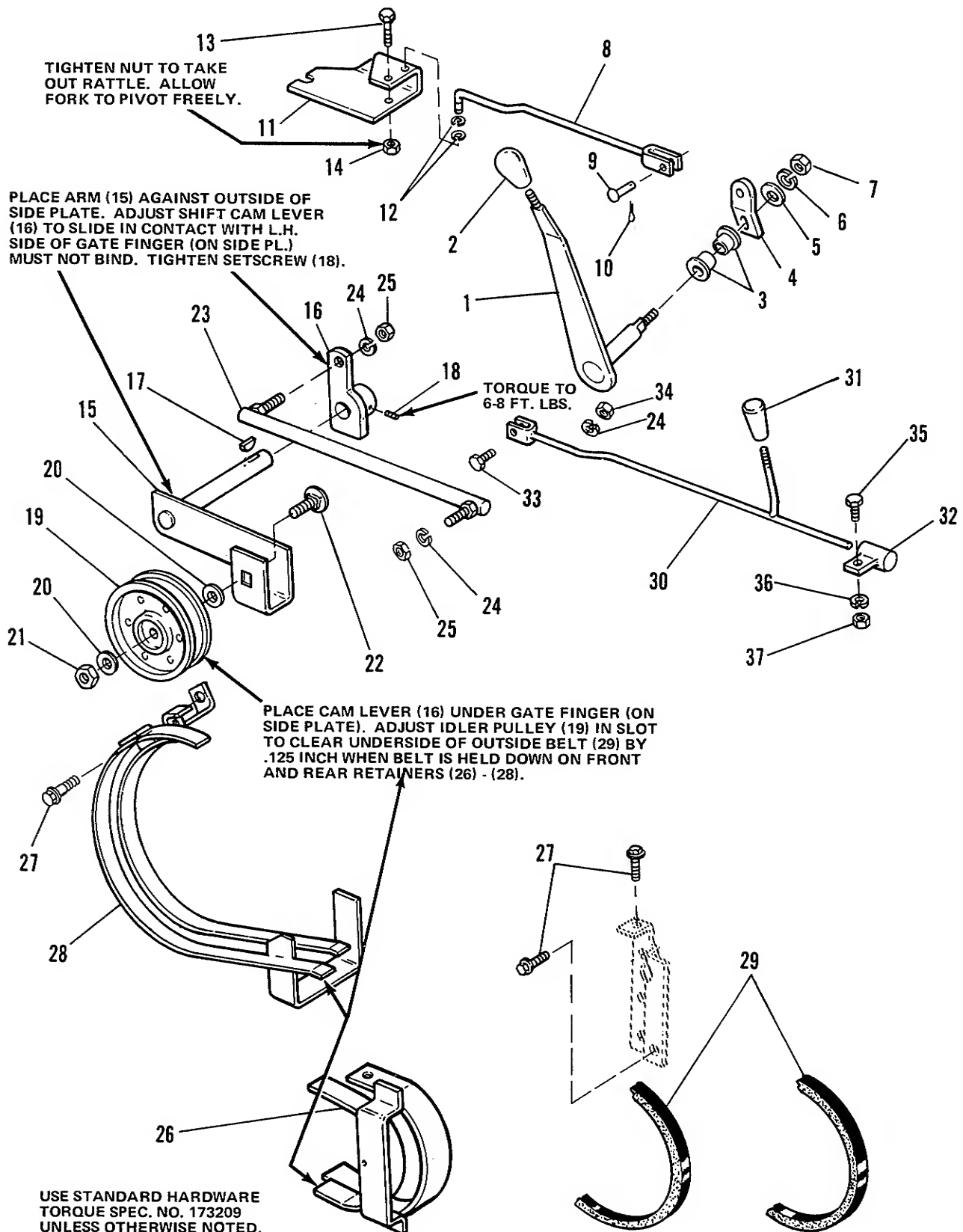
Ref. No.	Part No.	Qty.	Serial No.	Description
1		1	(00000)-()	ENGINE, 10 H.P.- Briggs & Stratton
2	1656492	1	(00000)-()	ELBOW & NIPPLE ASSEMBLY
3	154378	1	(00000)-()	LOCKNUT
4	170456	1	(00000)-()	MUFFLER
5	171880	1	(00000)-()	STRAP, Muffler
6	172061	1	(00000)-()	CLAMP, Muffler
7	919318	1	(00000)-()	CAPSCREW, Hex Hd., 5/16-18 x 5/8
8	917356	1	(00000)-()	LOCKWASHER, 5/16
9	917372	1	(00000)-()	NUT, Hex, 5/16-18
10	919360	3	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
11	172455	1	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 1-5/16
12	917378	4	(00000)-()	WASHER, 3/8
13	916965	12	(00000)-()	LOCKWASHER, 3/8
14	916950	8	(00000)-()	NUT, Hex, 3/8-16
15	172328	1	(00000)-()	DRIVESHAFT ASSEMBLY
16	173026	2	(00000)-()	COUPLING
17	172264	1	(00000)-()	FLANGE, DRIVESHAFT
18	157427	1	(00000)-()	KEY, Driveshaft
19	924624	1	(00000)-()	SETSCREW, 3/8-24 x 3/8
20	922130	2	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 2-1/4
21	920415	6	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
22	157424	16	(00000)-()	WASHER, Special
23	1656397	2	(00000)-()	SPACER
24		1	(00000)-()	ENGINE, 16 H.P.-Briggs & Stratton

- A. Remove two head bolts, attach bracket No. 1656452 and torque head bolts to 190 Ft. Lbs. 
- B. When muffler is assembled onto engine, exhaust pipe must line up with hole inside of hood.
- C. Choke button to be pushed in on dash panel and choke lever on carburetor to be in open position before tightening clamp bolt.
- D. Tighten setscrew after drive shaft assembly has been secured to engine flywheel adaptor.

Use standard hardware torque Spec. No. 173209 unless otherwise noted.

THROTTLE ADJUSTMENT

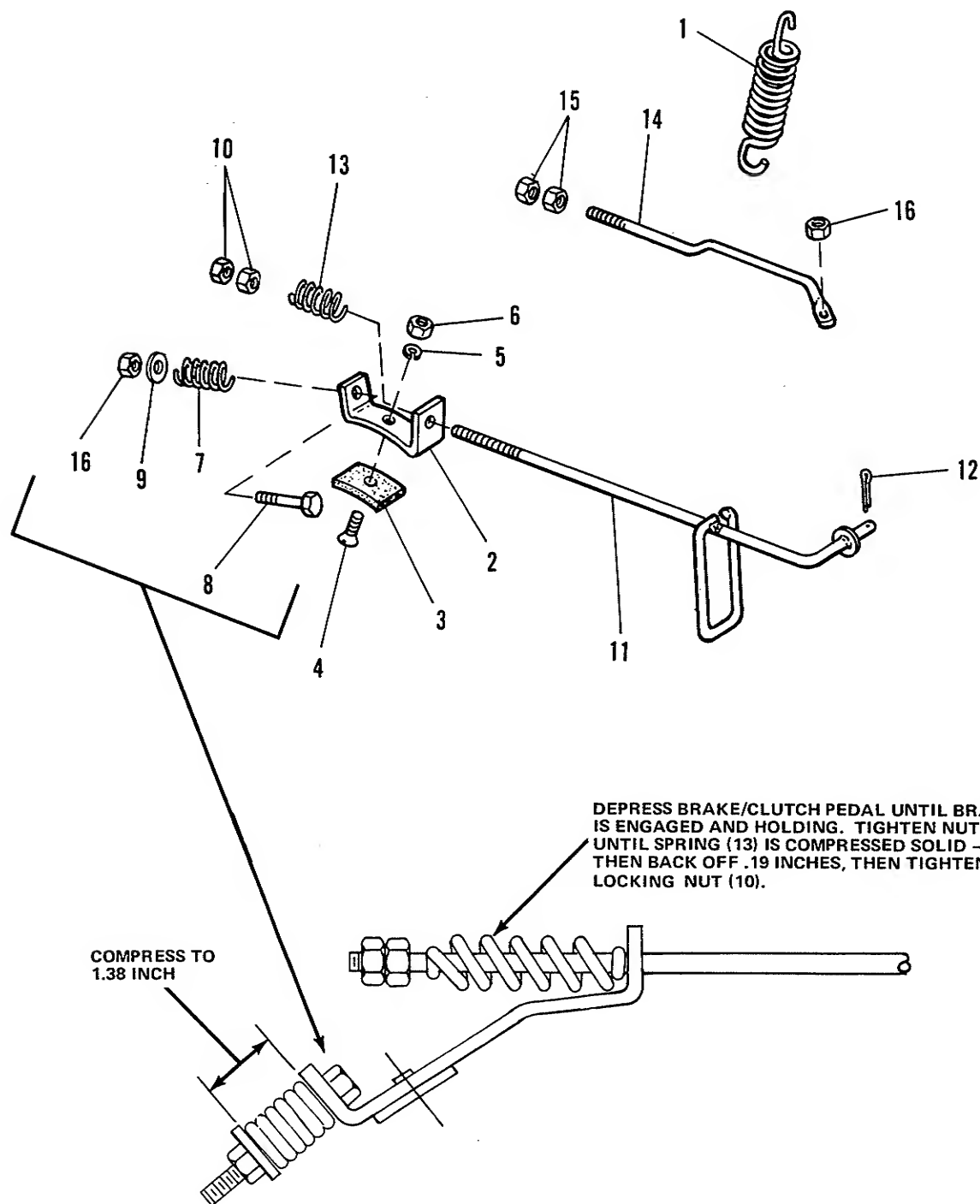
1. Place throttle lever on dash in full throttle position — up and forward against stop.
2. Install end of throttle control cable wire into engine throttle control rod.
3. Raise engine throttle rod until lower adjusting nut is against stop.
4. Hold lower adjusting nut up against stop and secure cable clamp.
5. Move throttle control lever through full range and back to full throttle position to check adjustment.



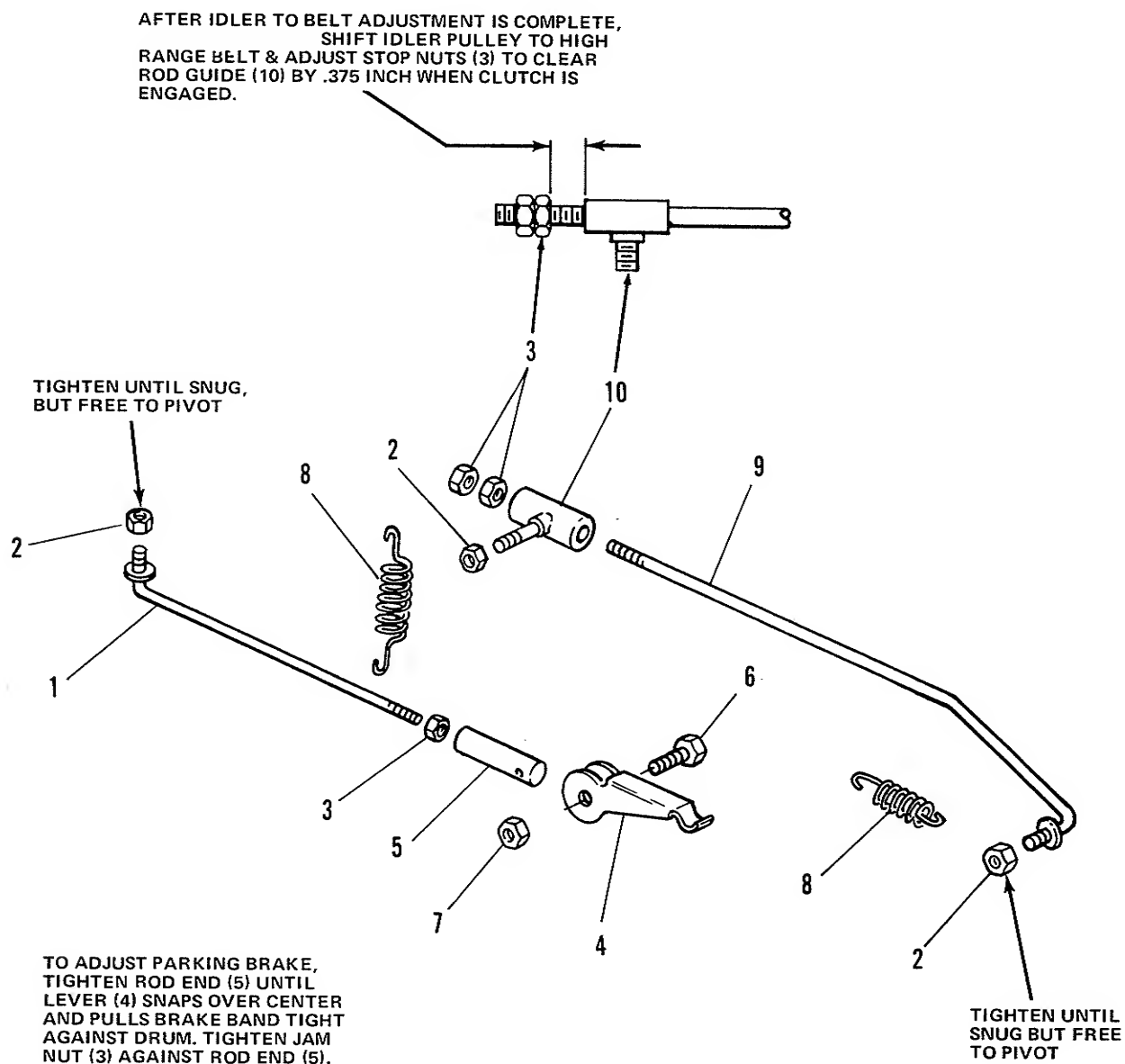
Ref. No.	Part No.	Qty.	Serial No.	Description
1	1656454	1	(00000)-()	CONTROL LEVER ASSEMBLY
2	172038	1	(00000)-()	KNOB
3	108419	2	(00000)-()	BUSHING, Flanged
4	164123	1	(00000)-()	LINK
5	917378	1	(00000)-()	WASHER, 3/8
6	916965	1	(00000)-()	LOCKWASHER, 3/8
7	916950	1	(00000)-()	NUT, Hex Full, 3/8-16
8	1656457	1	(00000)-()	CONTROL ROD ASSEMBLY
9	1608702	1	(00000)-()	PIN
10	918447	1	(00000)-()	PIN, Cotter, 3/32 x 3/4
11	1606567	1	(00000)-()	FORK, Shift
12	1602735	2	(00000)-()	RING, E
13	917402	1	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 2
14	923428	1	(00000)-()	LOCKNUT, Hex, 3/8-16
15	1607025	1	(00000)-()	IDLER ARM ASSEMBLY
16	1607026	1	(00000)-()	CAM SHIFT LEVER ASSEMBLY
17	905121	1	(00000)-()	KEY, Woodruff, No. 5 1/8 x 5/8
18	928804	1	(00000)-()	SETSCREW, Sq. Hd., 1/4-20 x 1/4
19	1606554	1	(00000)-()	PULLEY (Idler)
20	917642	2	(00000)-()	WASHER, 5/16
21	928731	1	(00000)-()	LOCKNUT, Hex, 3/8-16
22	921933	1	(00000)-()	BOLT, Carriage, 3/8-16 x 1-1/4
23	1606568	1	(00000)-()	JOINT, Ball, Dbl. End
24	917356	3	(00000)-()	LOCKWASHER, 5/16
25	920263	2	(00000)-()	NUT, Hex, Full, 5/16-24
26	1657077	1	(00000)-()	BELT RETAINER ASSY
27	924856	3	(00000)-()	SCREW, Taptite, 5/16-18 x 1/2
28	1608127	1	(00000)-()	REAR RETAINER ASSY
29	1607967	2	(00000)-()	BELT, "V"
30	171559	1	(00000)-()	SHIFT ROD ASSY
31	164180	1	(00000)-()	HANDLE, Shift Rod
32	157020	1	(00000)-()	SHIFT ROD GUIDE ASSY
33	930570	1	(00000)-()	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
34	917372	1	(00000)-()	NUT, Hex, Full, 5/16-18
35	921959	1	(00000)-()	CAPSCREW, Hex Hd., 1/4-20 x 5/8
36	916964	1	(00000)-()	LOCKWASHER, 1/4
37	916622	1	(00000)-()	NUT, Hex, Full, 1/4-20

ADJUST TRANSMISSION BRAKE AS FOLLOWS:

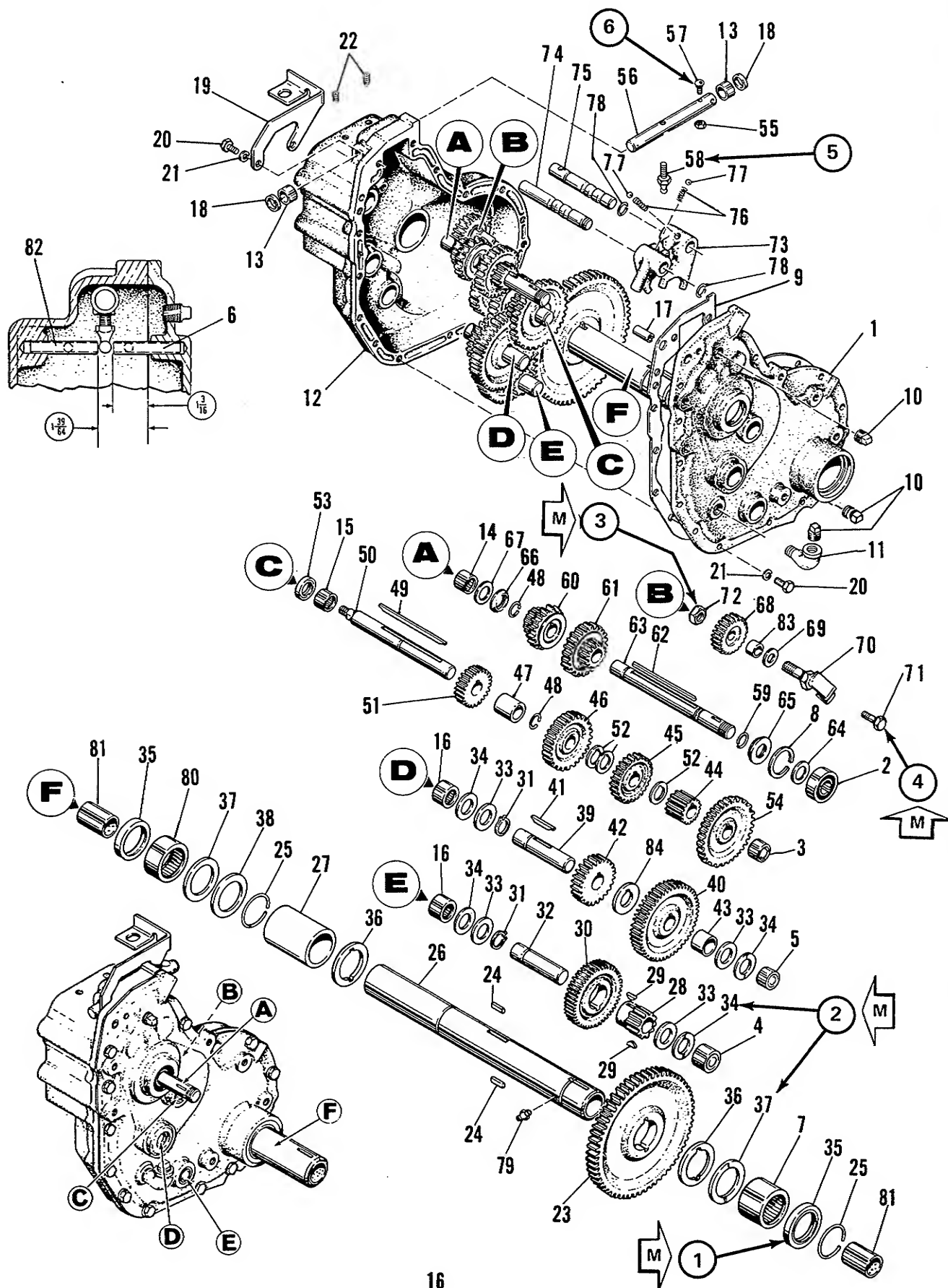
- A. PLACE .030 SHIM BETWEEN CAM LEVER AND GATE FINGER (ON SIDE PLATE).
- B. ADJUST AND SET PARKING BRAKE
- C. RUN BRAKE ROD ADJUSTING NUT (15) IN UNTIL IT CONTACTS BRAKE BAND (FINGER TIGHT) PLUS 1/3 TURN (2 FLATS ON NUT), THEN TIGHTEN LOCKING NUT (15).



Ref. No.	Part No.	Qty.	Serial No.	Description
1	174896	1	(00000)-()	SPRING
2	1607943	1	(00000)-()	STRAP, Pulley Brake
3	1610590	1	(00000)-()	BRAKE, Sheave
4	926267	1	(00000)-()	SCREW, Machine, No. 10-24 x 5/8
5	917365	1	(00000)-()	LOCKWASHER, No. 10
6	916621	1	(00000)-()	NUT, Hex, Full, No. 10-24
7	1610703	1	(00000)-()	SPRING
8	919355	1	(00000)-()	CAPSCREW, 5/16-18 x 1/4
9	917377	1	(00000)-()	WASHER, 1/4 Std.
10	917372	2	(00000)-()	NUT, Hex, Full, 5/16-18
11	1608621	1	(00000)-()	PULLEY BRAKE ROD ASSEMBLY
12	919313	1	(00000)-()	PIN, Cotter, 3/32 x 1/2
13	157041	1	(00000)-()	SPRING
14	172722	1	(00000)-()	ROD, Brake
15	916950	2	(00000)-()	NUT, Hex, Full, 3/8-16
16	923362	2	(00000)-()	LOCKNUT, Hex, 5/16-18



Ref. No.	Part No.	Qty.	Serial No.	Description
1	174708	1	(00000)-()	PARKING BRAKE ROD ASSEMBLY
2	923362	3	(00000)-()	LOCKNUT, Hex, .312-18
3	917372	3	(00000)-()	NUT, Hex, Full, .312-18
4	172108	1	(00000)-()	LEVER, Parking Brake
5	171994	1	(00000)-()	END, Rod
6	926771	1	(00000)-()	CAPSCREW, Hex Hd., .250-20 x 1.25
7	923358	1	(00000)-()	LOCKNUT, Hex, .250-20
8	121037	2	(00000)-()	SPRING
9	1656455	1	(00000)-()	CLUTCH & BRAKE ROD ASSEMBLY
10	164094	1	(00000)-()	ROD GUIDE ASSEMBLY







Ref. No.	Part No.	Qty.	Serial No.	Description
1	164226	1	(00000)-()	COVER, Gear Case
2	108202	1	(00000)-()	BEARING, Ball
3	154257	1	(00000)-()	BEARING, Needle
4	154259	1	(00000)-()	BEARING, Needle
5	154271	1	(00000)-()	BEARING, Needle
6	154537	1	(00000)-()	ROLL PIN ASSEMBLY
7	157520	1	(00000)-()	BEARING, Needle
8	164064	1	(00000)-()	RING, Retaining
9	164234	1	(00000)-()	GASKET, Gear Case
10	901653	3	(00000)-()	PLUG, Pipe, Sq. Hd., 3/8
11	901723	1	(00000)-()	ELBOW, Street
12	157516	1	(00000)-()	GEAR CASE ASSEMBLY
13	121084	2	(00000)-()	SPACER, Diff.
14	154257	1	(00000)-()	BEARING, Needle
15	154258	1	(00000)-()	BEARING, Needle
16	154259	2	(00000)-()	BEARING, Needle
17	918113	2	(00000)-()	PIN, Spring, 3/8 x 1
18	157619	2	(00000)-()	SEAL, Oil
19	164251	1	(00000)-()	SUPPORT, Switch
20	916431	16	(00000)-()	CAPSCREW, Hex Hd., 5/16-18 x 1
21	917356	16	(00000)-()	LOCKWASHER, 5/16
22	917231	2	(00000)-()	SETSCREW, Soc. Hd., 5/16-18 x 1/2
23	154095	1	(00000)-()	GEAR, Drive
24	154096	2	(00000)-()	KEY
25	154268	2	(00000)-()	RING, Snap
26	164222	1	(00000)-()	TUBE & BUSHING ASSEMBLY
27	154098	1	(00000)-()	SPACER, Axle Tube
28	154092	1	(00000)-()	PINION, 3rd Interm.
29	910224	2	(00000)-()	KEY, Woodruff, No. 6
30	164051	1	(00000)-()	GEAR, 3rd Interm.
31	154266	2	(00000)-()	RING, Retaining
32	154091	1	(00000)-()	SHAFT, 3rd Interm.
33	172978	4	(00000)-()	WASHER
34	172979	4	(00000)-()	WASHER
35	154269	2	(00000)-()	SEAL
36	154130	2	(00000)-()	WASHER, Axle Tube
37	172977	2	(00000)-()	WASHER, Axle Tube
38	154097	1	(00000)-()	WASHER, Axle Tube
39	154086	1	(00000)-()	SHAFT, 2nd Interm.
40	154089	1	(00000)-()	GEAR, 2nd Interm.
41	154267	1	(00000)-()	KEY
42	164062	1	(00000)-()	PINION, 2nd Interm.
43	154090	1	(00000)-()	SPACER
44	154079	1	(00000)-()	PINION, 1st Interm.
45	154080	1	(00000)-()	PINION, Driver III
46	154081	1	(00000)-()	GEAR, Driver II
47	154082	1	(00000)-()	SPACER
48	154264	2	(00000)-()	RING, Retaining
49	154354	1	(00000)-()	KEY
50	157290	1	(00000)-()	SHAFT, 1st Interm.

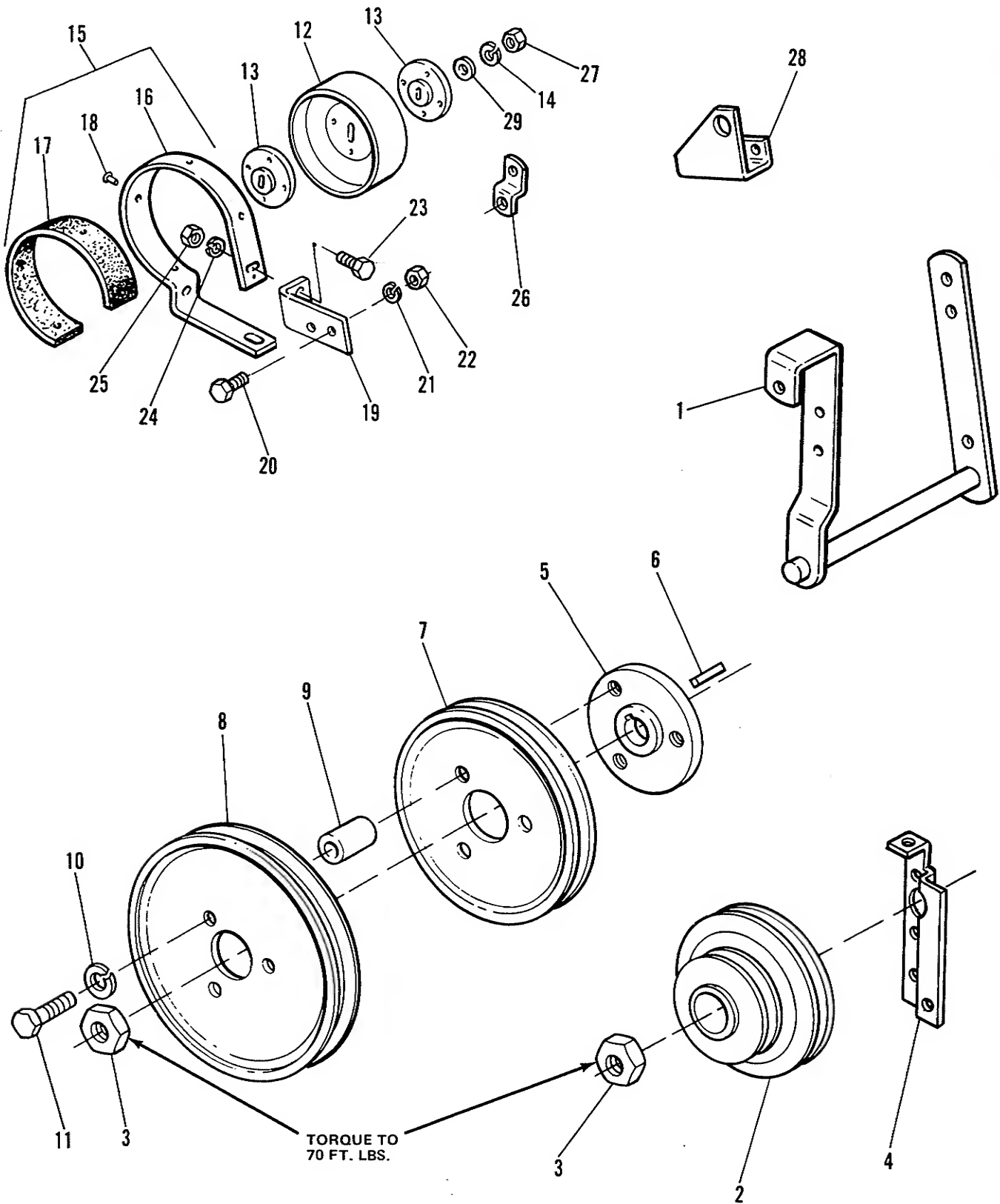
NOTE: PARTS REF. NO. 51-86 CONTINUED
ON THE FOLLOWING PAGE.

Ref. No.	Part No.	Qty.	Serial No.	Description
51	174228	1	(00000)-()	PINION, Rev. & IV
52	8061012	3	(00000)-()	WASHER
53	154263	1	(00000)-()	SEAL, Oil
54	154078	1	(00000)-()	GEAR, Driven I
55	920161	1	(00000)-()	NUT, Jam Hex, 5/16-18
56	164250	1	(00000)-()	ROD, Shift
57	172241	1	(00000)-()	BOLT CARRIAGE, Special
58	172779	1	(00000)-()	STEM, Shift
59	118134	1	(00000)-()	RING, Retaining
60	154072	1	(00000)-()	PINION ASSEMBLY REV. & II
61	154075	1	(00000)-()	PINION ASSEMBLY I & II
62	164294	1	(00000)-()	KEY
63	174338	1	(00000)-()	SHAFT, Pulley
64	108472	1	(00000)-()	WASHER
65	154462	1	(00000)-()	WASHER
66	172981	1	(00000)-()	WASHER
67	172982	1	(00000)-()	WASHER
68	154087	1	(00000)-()	GEAR, Rev.
69	154325	1	(00000)-()	WASHER
70	154352	1	(00000)-()	REV. GEAR PIN ASSEMBLY
71	917400	1	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
72	930245	1	(00000)-()	LOCKNUT, Hex, 1/2-20
73	154069	2	(00000)-()	FORK, Shift
74	154067	1	(00000)-()	SHAFT, Shifter
75	154068	1	(00000)-()	SHAFT, Shifter, Hi-Lo
76	154323	2	(00000)-()	SPRING
77	154262	2	(00000)-()	BALL, Shiftlock
78	8061048	2	(00000)-()	RING, Retaining
79	912806	1	(00000)-()	FITTING, Grease
80	157519	1	(00000)-()	BEARING, Needle
81	164224	2	(00000)-()	BUSHING
82	154538	1	(00000)-()	ROLL PIN ASSY
83	154084	1	(00000)-()	SPACER, Rev. Gear
84	154083	1	(00000)-()	WASHER

NOTE: PARTS REF. NO. 1-50 FOUND ON
PRECEDING PAGE.

TRANSMISSION GROUP

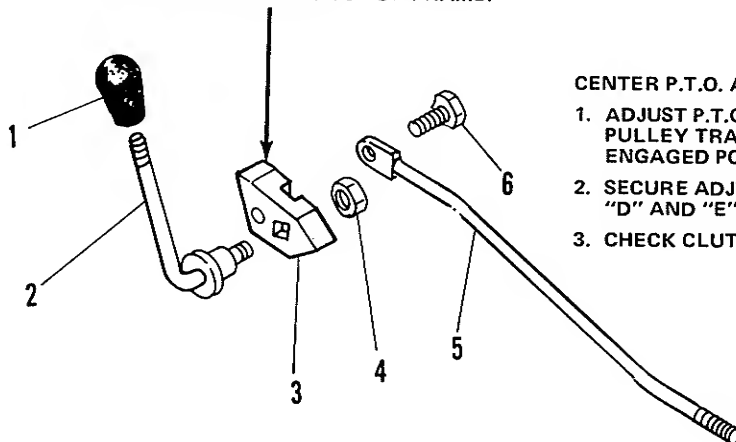
1. Grease inside of lips of all seals before installation. Install seals with springs toward inside. 
2. All fabric washers to be installed with groove facing inside of case and cover. 
3. Torque to 55 Ft. Lbs. 
4. Torque to 20 Ft. Lbs. $\begin{array}{c} + 0 \\ - 3 \end{array}$ 
5. Apply Loctite and torque to 18-23 Ft. Lbs.
6. Adjust carriage bolt to proper height so that safety switch will make contact when transmission is in neutral position.
7. Use Standard Hardware Torque Spec. No. 173209 unless otherwise noted.



USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209
UNLESS OTHERWISE NOTED.

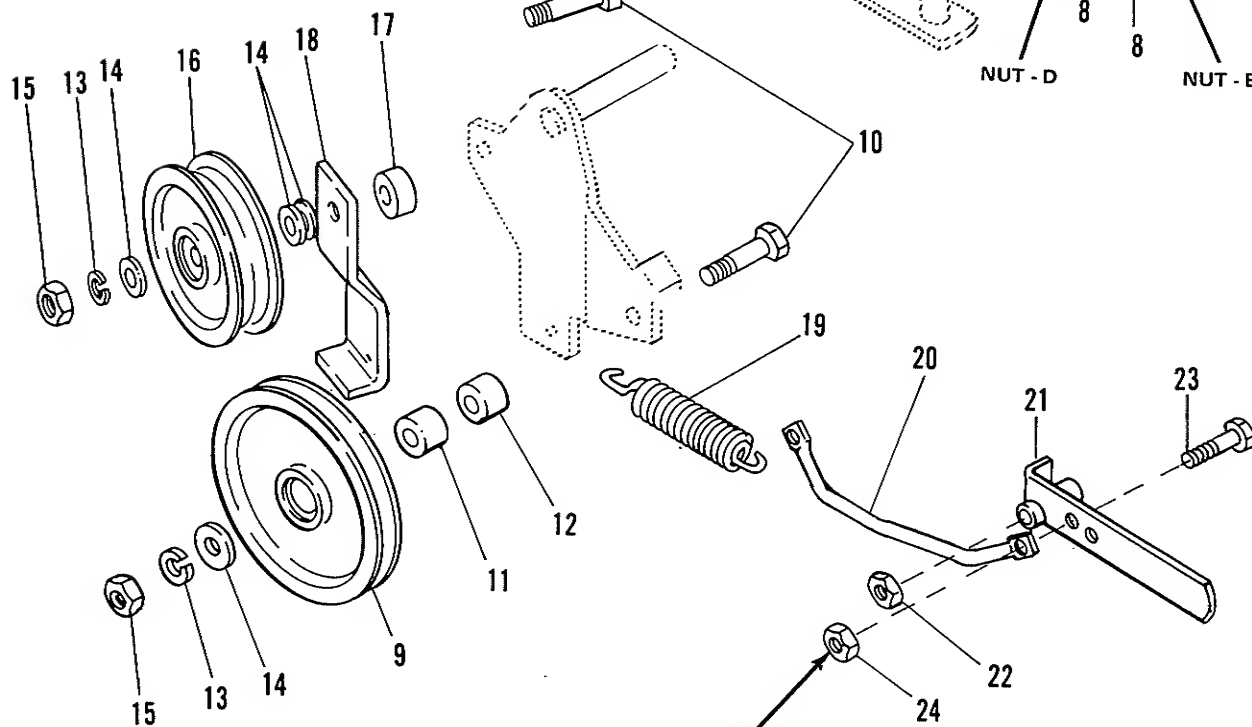
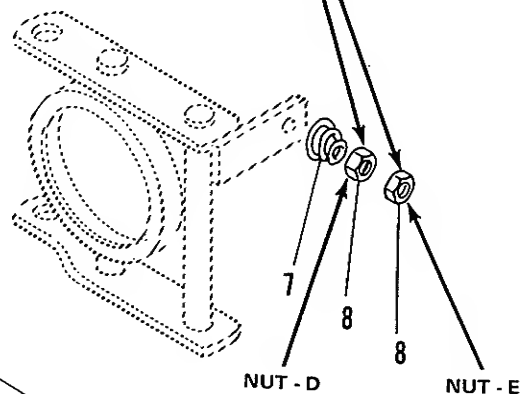
Ref. No.	Part No.	Qty.	Serial No.	Description
1	1656459	1	(00000)-()	PIVOT LEVER ASSEMBLY
2	1608322	1	(00000)-()	FRONT PULLEY ASSEMBLY
3	922133	2	(00000)-()	LOCKNUT, Jam, 3/4-16
4	1608304	1	(00000)-()	SUPPORT, Belt Retainer
5	1608309	1	(00000)-()	HUB, Pulley
6	905123	1	(00000)-()	KEY, Woodruff, No. 9
7	1608122	1	(00000)-()	SHEAVE
8	174420	1	(00000)-()	SHEAVE
9	1608310	3	(00000)-()	SPACER
10	917356	3	(00000)-()	LOCKWASHER, 5/16
11	919354	3	(00000)-()	CAPSCREW, Hex Hd., 5/16-18 x 2
12	157282	1	(00000)-()	DRUM, Brake
13	158196	2	(00000)-()	WASHER, Special
14	918199	1	(00000)-()	LOCKWASHER, 7/16
15	171497	1	(00000)-()	BRAKE BAND ASSEMBLY
16	171482	1	(00000)-()	BAND, Brake
17	154133	1	(00000)-()	LINING, Brake
18	907166	4	(00000)-()	RIVET, Tubular
19	164113	1	(00000)-()	BRACKET, Brake Band
20	917400	2	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
21	916965	2	(00000)-()	LOCKWASHER, 3/8
22	916950	2	(00000)-()	NUT, Hex Full, 3/8-16
23	916019	2	(00000)-()	CAPSCREW, Hex Hd., 1/4-20 x 3/4
24	916964	2	(00000)-()	LOCKWASHER, 1/4
25	916622	2	(00000)-()	NUT, Hex Full, 1/4-20
26	174893	1	(00000)-()	CLIP, Spring
27	918213	1	(00000)-()	NUT, Hex Full, 7/16-14
28	1607027	1	(00000)-()	BEARING, Idler Pivot
29	917378	1	(00000)-()	WASHER, 3/8

ADJUST P.T.O. INTERLOCK SWITCH 177522
TO MAKE CONTACT WHEN LEVER 173991
IS RESTING AGAINST TOP OF FRAME.



CENTER P.T.O. ADJUSTMENT

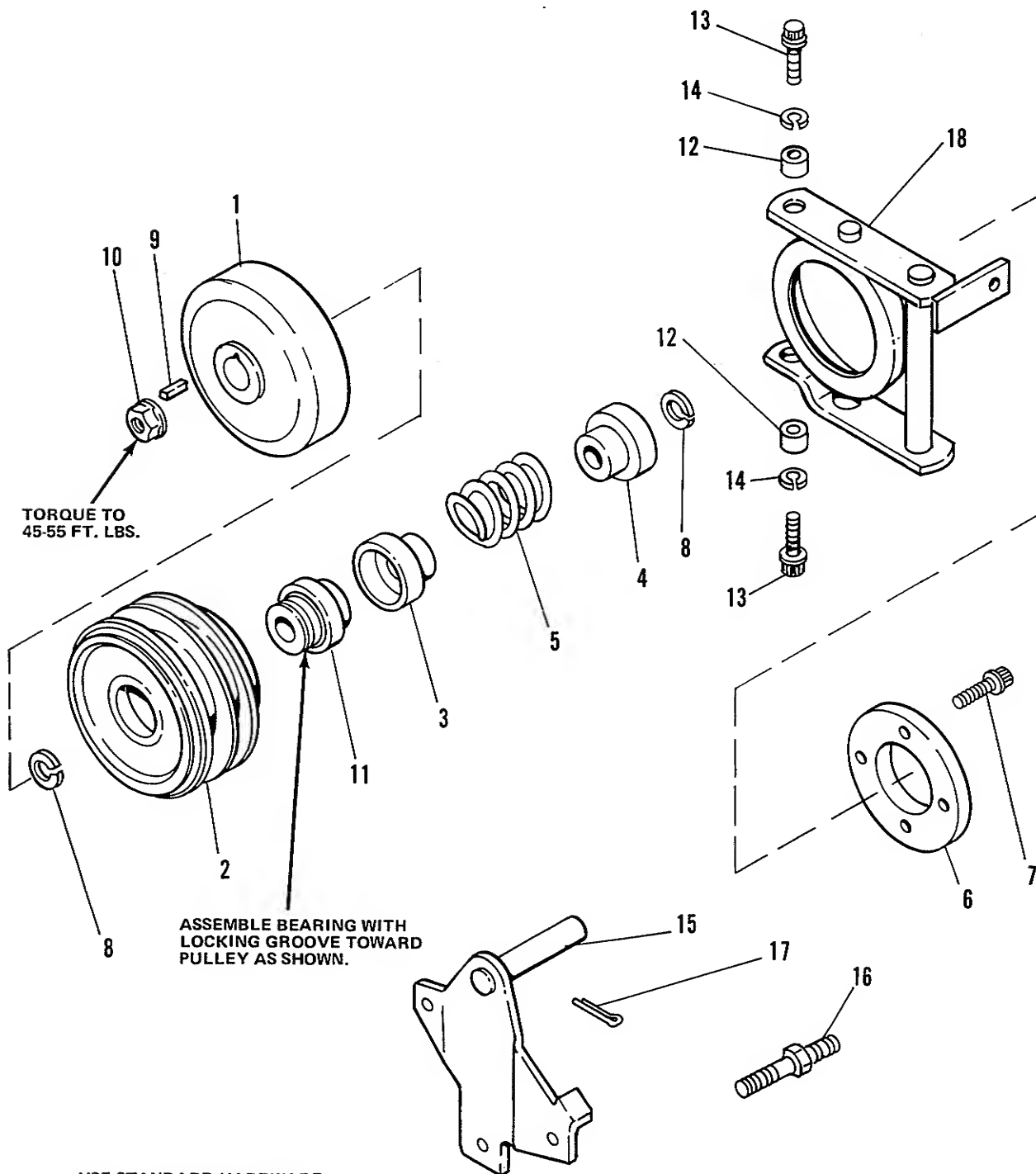
1. ADJUST P.T.O. ADJUSTMENT NUT "D" UNTIL PULLEY TRAVEL FROM ENGAGED TO DIS-ENGAGED POSITION EQUALS .12 INCHES.
2. SECURE ADJUSTMENT BY LOCKING NUTS "D" AND "E" TOGETHER.
3. CHECK CLUTCH FOR PROPER DISENGAGEMENT.



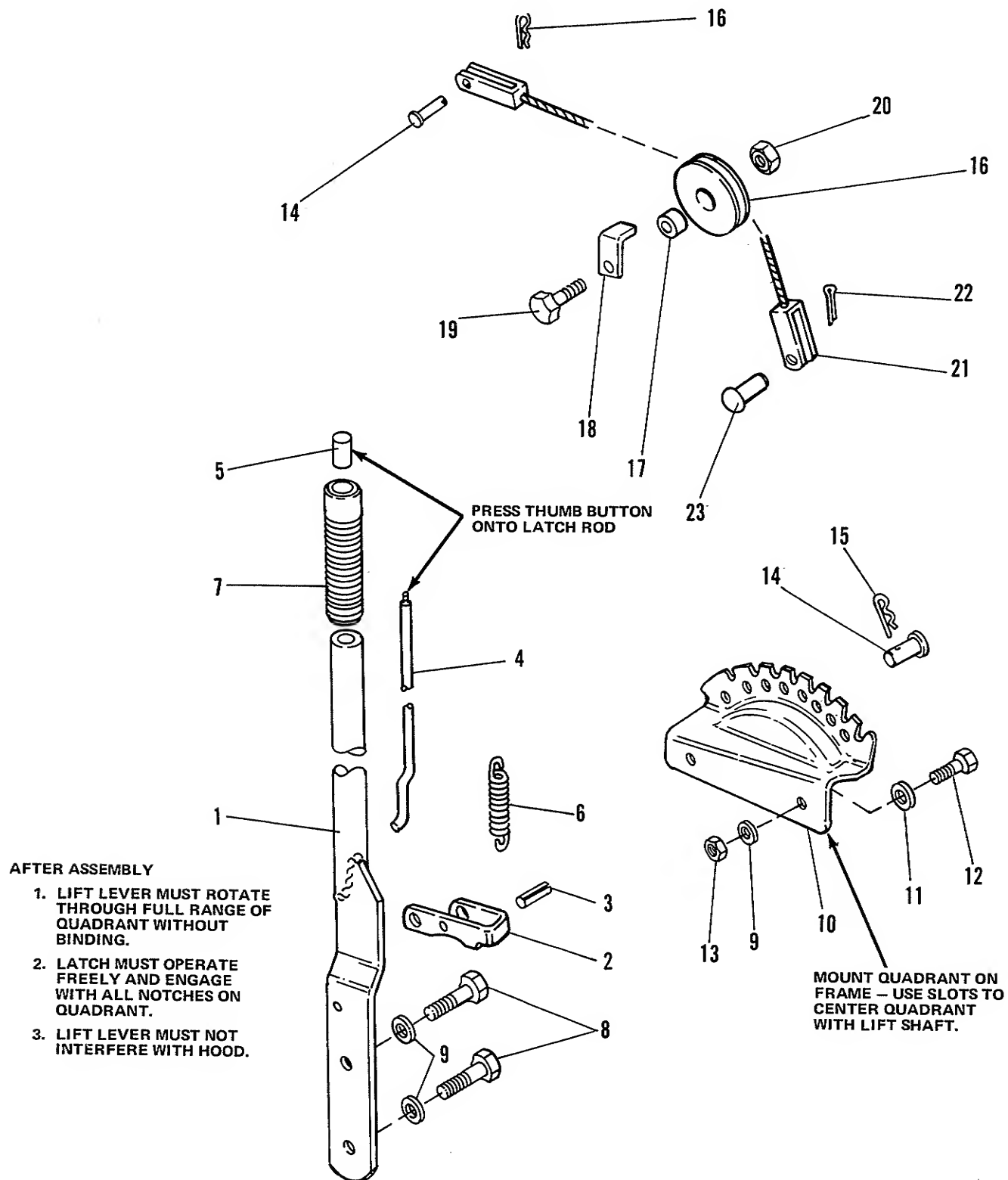
USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209
UNLESS OTHERWISE NOTED.

HANDLE ASSEMBLY MUST PIVOT
FREELY AFTER NUT IS TIGHTENED.

Ref. No.	Part No.	Qty.	Serial No.	Description
1	172038	1	(00000)-()	KNOB
2	174664	1	(00000)-()	HANDLE, Clutch P.T.O.
3	173991	1	(00000)-()	LEVER
4	923428	1	(00000)-()	LOCKNUT, Hex, 3/8-16
5	173988	1	(00000)-()	CONTROL ROD ASSEMBLY
6	174686	1	(00000)-()	CAPSCREW, Special
7	175316	1	(00000)-()	SPRING
8	917372	2	(00000)-()	NUT, Hex, Full, 5/16-18
9	173982	1	(00000)-()	PULLEY
10	917402	2	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 2
11	170291	1	(00000)-()	SPACER
12	172329	1	(00000)-()	SPACER
13	916965	2	(00000)-()	LOCKWASHER, 3/8
14	917642	4	(00000)-()	WASHER, 5/16
15	916950	2	(00000)-()	NUT, Hex, Full, 3/8-16
16	105306	1	(00000)-()	PULLEY
17	157081	1	(00000)-()	SPACER
18	170289	1	(00000)-()	STOP, Belt
19	157262	1	(00000)-()	SPRING, Tension
20	164047	1	(00000)-()	ROD, Tension
21	164155	1	(00000)-()	HANDLE ASSEMBLY
22	924058	1	(00000)-()	LOCKNUT, Hex, 7/16-14
23	917397	1	(00000)-()	CAPSCREW, Hex Hd., 5/16-18 x 3/4
24	923362	1	(00000)-()	LOCKNUT, Hex, 5/16-18



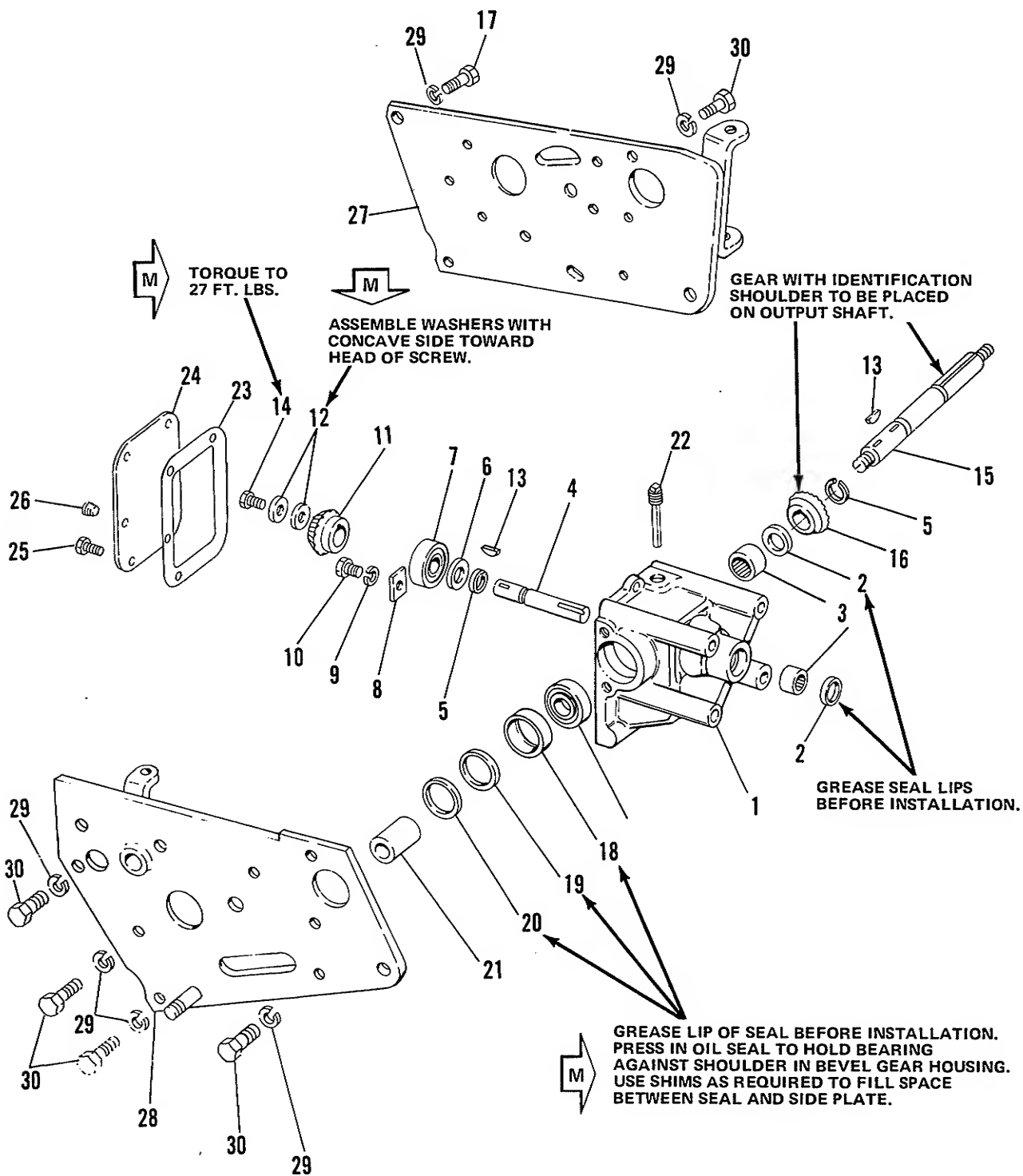
Ref. No.	Part No.	Qty.	Serial No.	Description
1	174862	1	(00000)-()	CLUTCH PLATE ASSEMBLY
2	1650304	1	(00000)-()	PULLEY
3	1650252	1	(00000)-()	GUIDE, Spring
4	1650264	1	(00000)-()	GUIDE, Spring
5	171772	1	(00000)-()	SPRING
6	173957	1	(00000)-()	DISC, Brake
7	920036	4	(00000)-()	CAPSCREW, Skt. Hd., 1/4-20 x 5/8
8	172206	2	(00000)-()	RING, Retaining
9	8061081	1	(00000)-()	KEY
10	930644	1	(00000)-()	LOCKNUT, Flange, 1/2-13
11	1650254	1	(00000)-()	BEARING ASSEMBLY
12	171371	2	(00000)-()	SPACER
13	1651450	2	(00000)-()	SCREW, Thd. Forming
14	917356	2	(00000)-()	LOCKWASHER, 5/16
15	174455		(00000)-()	PIVOT ARM ASSEMBLY
16	157273	1	(00000)-()	STUD
17	918459	1	(00000)-()	PIN, Cotter, 3/16 x 1-1/2
18	1650906	1	(00000)-()	PIVOT ASSEMBLY



USE STD. HARDWARE TORQUE SPEC NO.
173209 UNLESS OTHERWISE NOTED

Ref. No.	Part No.	Qty.	Serial No.	Description
1	1651389	1	(00000)-()	LIFT LEVER ASSEMBLY
2	173039	1	(00000)-()	LATCH, Lift Lever
3	918390	1	(00000)-()	PIN, Spring, 3/8 x 1-1/4
4	1651197	1	(00000)-()	ROD, Latch
5	1650157	1	(00000)-()	BUTTON
6	1650155	1	(00000)-()	SPRING
7	156209	1	(00000)-()	GRIP
8	923490	2	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 1
9	916965	4	(00000)-()	LOCKWASHER, 3/8
10	171599	1	(00000)-()	QUADRANT
11	917642	2	(00000)-()	WASHER, 5/16
12	908127	2	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 3/4
13	916950	2	(00000)-()	NUT, Hex, Full, 3/8-16
14	153058	2	(00000)-()	PIN
15	918196	2	(00000)-()	CLIP, Spring
16	172725	1	(00000)-()	PULLEY
17	157081	1	(00000)-()	SPACER
*18	174723	2	(00000)-()	GUARD, Cable
19	108418	1	(00000)-()	SCREW
20	928731	1	(00000)-()	LOCKNUT, Hex, Jam, 3/8-16
21	174085	1	(00000)-()	LIFT CABLE ASSY
22	916241	1	(00000)-()	PIN, Cotter, 3/32 x 7/8
23	174215	1	(00000)-()	PIN

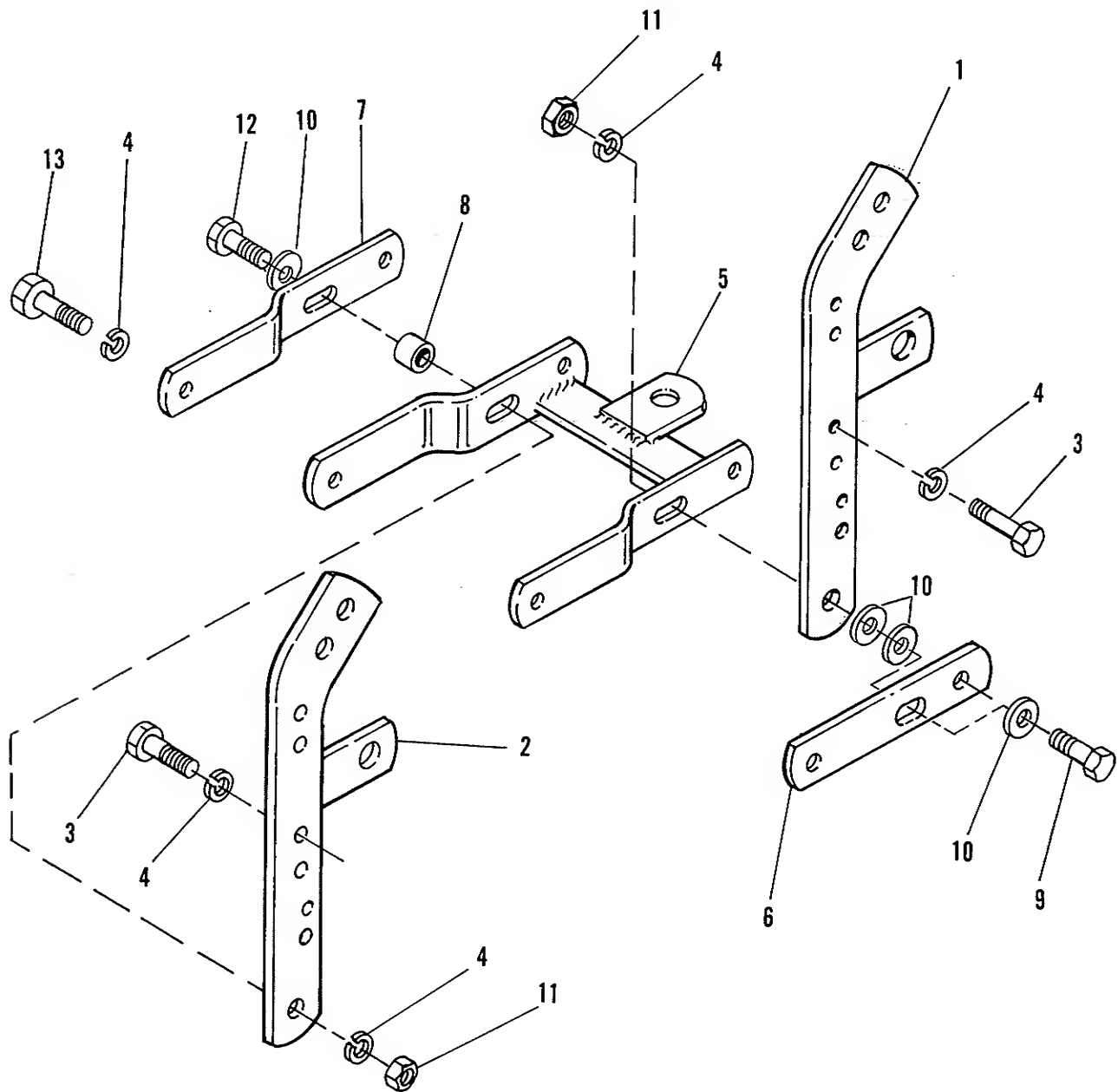
* Ref. No. 18 Qty. 2 used on 7016 H,
Qty. 1 used on 7013S, 7010-6, 7016-6



USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209
UNLESS OTHERWISE NOTED.

Ref. No	Part No.	Qty.	Serial No.	Description
1	1656877	1	(00000)-()	HOUSING, Bevel Gear
2	118117	2	(00000)-()	SEAL, Oil
3	154279	2	(00000)-()	BEARING, Needle
4	172750	1	(00000)-()	SHAFT, Driver
5	172206	2	(00000)-()	RING, Retaining
6	172753	1	(00000)-()	WASHER
7	172256	2	(00000)-()	BEARING, Ball
8	154040	1	(00000)-()	PLATE, Bearing Clamp
9	917356	1	(00000)-()	LOCKWASHER, 5/16
10	919318	1	(00000)-()	CAPSCREW, Hex Hd., 5/16-18 x 5/8
11	172752	1	(00000)-()	GEAR, Bevel Driver
12	177649	2	(00000)-()	WASHER
13	905123	2	(00000)-()	KEY, Woodruff, No. 9
14	154281	1	(00000)-()	CAPSCREW, Hex Hd., 5/16-18 x 3/4
*15		1	(00000)-()	SHAFT, Driven
16	171796	1	(00000)-()	GEAR, Bevel Driven
17	920677	2	(00000)-()	CAPSCREW, Hex Hd., 7/16-14 x 1-1/4
18	171787	1	(00000)-()	SEAL, Oil
19	171791	1	(00000)-()	SHIM
20	171790	5	(00000)-()	SHIM
21	171792	1	(00000)-()	SPACER
22	178105	1	(00000)-()	PLUG ASSY
23	154282	1	(00000)-()	GASKET
24	178104	1	(00000)-()	COVER
25	930526	6	(00000)-()	CAPSCREW, Hex, 1/4-20 x 5/8
26	901652	1	(00000)-()	PLUG, Pipe
27	174829	1	(00000)-()	PLATE ASSY, Side, L.H.
28	1606609	1	(00000)-()	PLATE ASSY, Side, R.H.
29	918199	12	(00000)-()	LOCKWASHER, 7/16
30	920676	10	(00000)-()	CAPSCREW, Hex Hd., 7/16-14 x 1

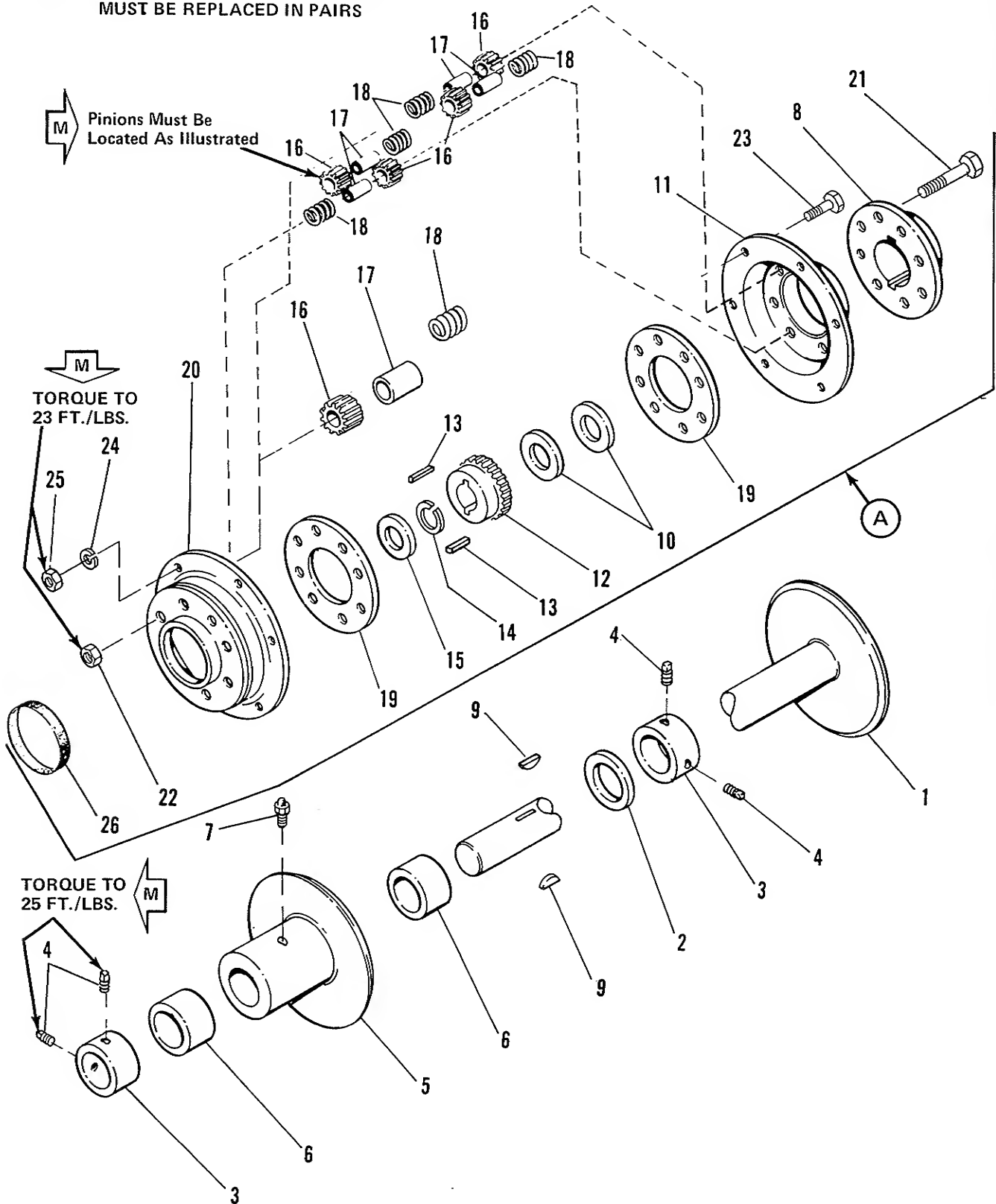
*FOR SERVICE ORDER KIT NO. 1685054



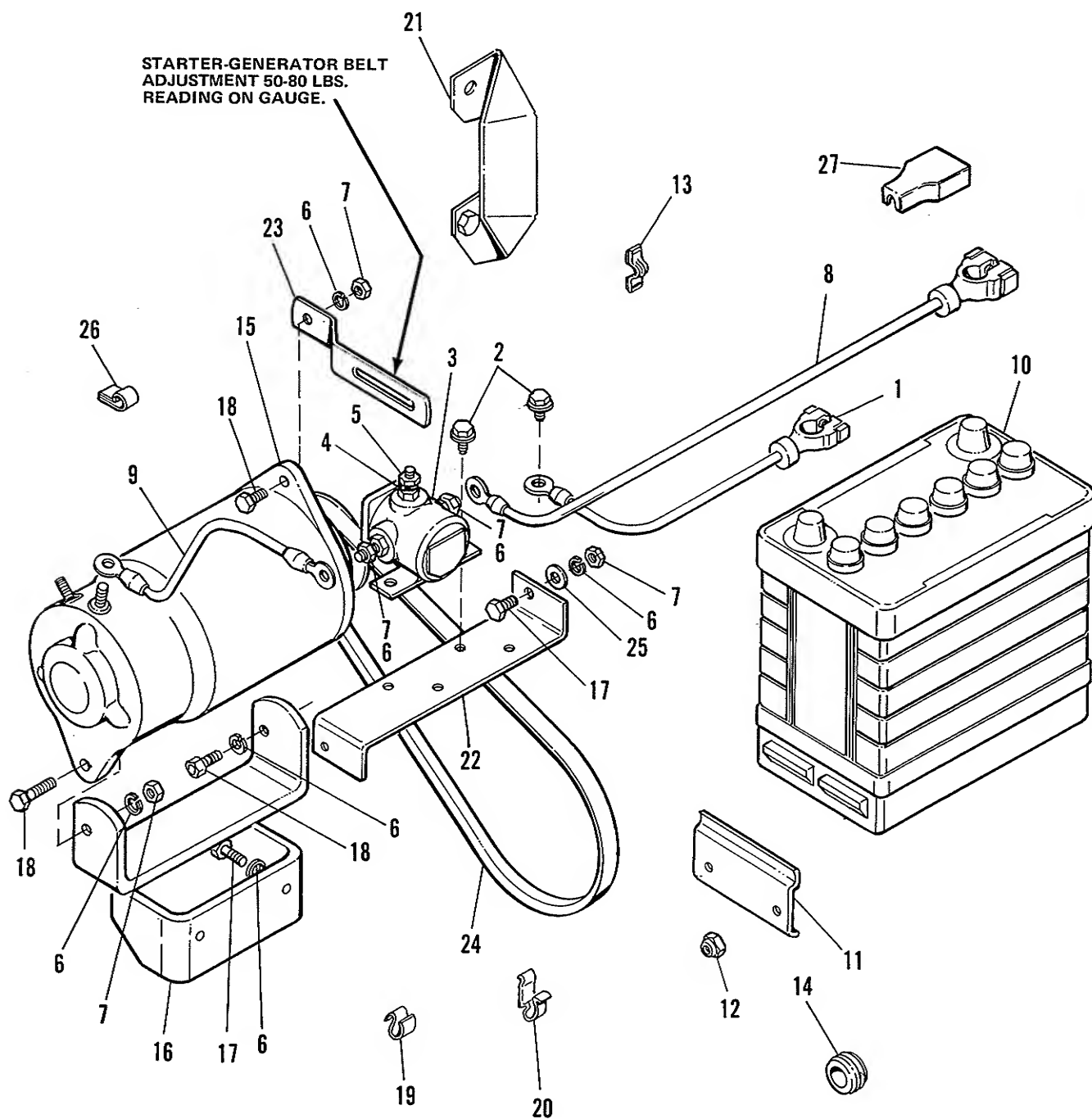
USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209
UNLESS OTHERWISE NOTED.

Ref. No.	Part No.	Qty.	Serial No.	Description
1	164304	1	{00000}-()	L.H. ARM ASSEMBLY
2	164284	1	{00000}-()	R.H. ARM ASSEMBLY
3	920676	4	{00000}-()	CAPSCREW, Hex Hd., 7/16-14 x 1
4	918199	8	{00000}-()	LOCKWASHER, 7/16
5	154202	1	{00000}-()	DRAWBAR ASSEMBLY
6	157091	1	{00000}-()	BAR, Pull, L.H.
7	154203	1	{00000}-()	BAR, Draw, R.H.
8	1608759	1	{00000}-()	SPACER
9	921212	1	{00000}-()	CAPSCREW, Hex Hd., 7/16-14 x 1-1/2
10	918430	4	{00000}-()	WASHER, 7/16
11	918213	2	{00000}-()	NUT, Hex, 7/16-14
12	923027	1	{00000}-()	CAPSCREW, Hex Hd., 7/16-14 x 1-3/4
13	926109	1	{00000}-()	CAPSCREW, Hex Hd., 7/16-14 x 2-1/4

NOTE: REFERENCE NUMBERS 11 AND 20
MUST BE REPLACED IN PAIRS

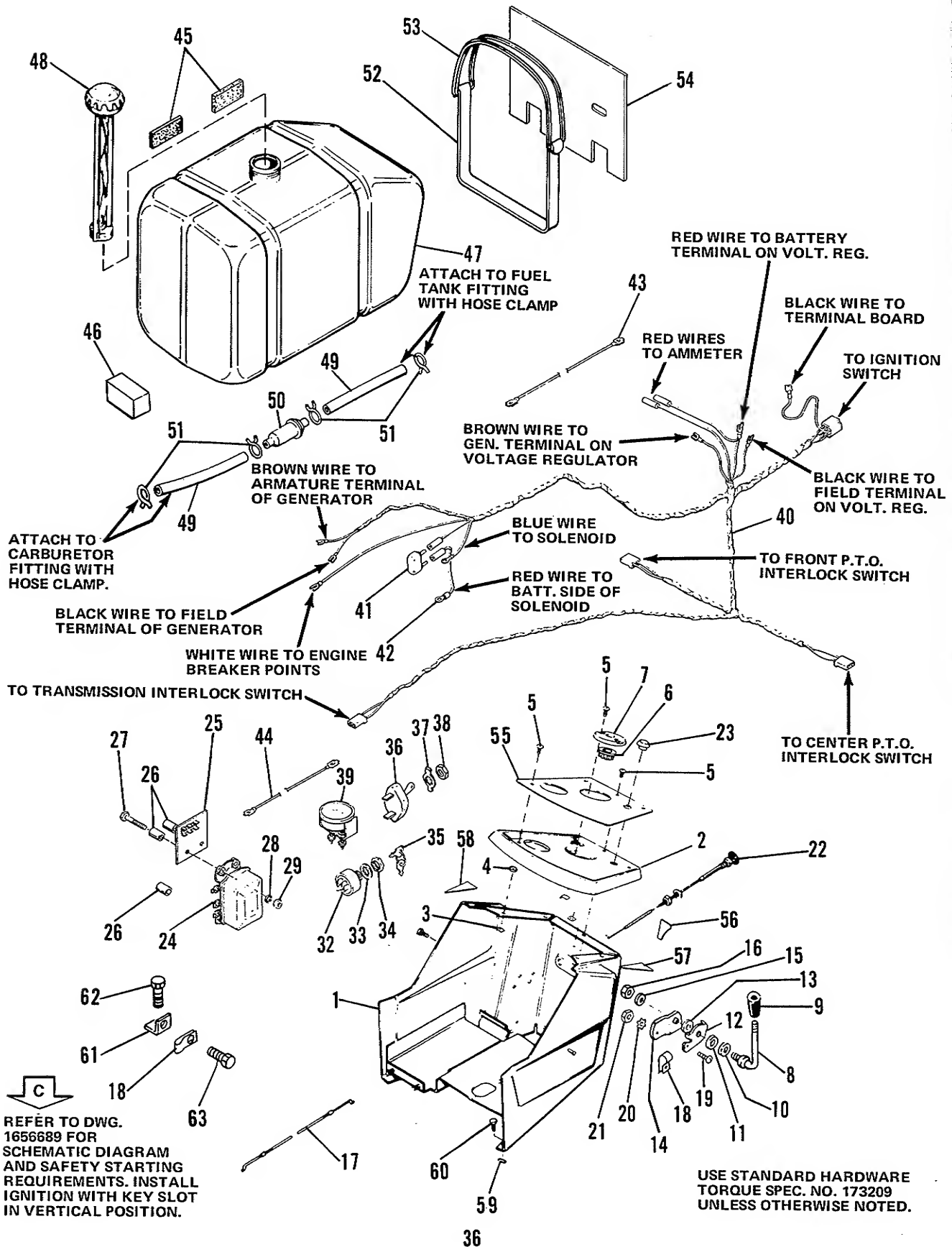


Ref. No.	Part No.	Qty.	Serial No.	Description
1	177900	1	{00000}-{ }	REAR AXLE ASSEMBLY
2	105050	1	{00000}-{ }	WASHER
3	154065	2	{00000}-{ }	COLLAR, Set
4	928709	4	{00000}-{ }	SETSCREW, Sq. Hd., 5/16-18 x 3/8
5	176945	1	{00000}-{ }	R.H. WHEEL HUB ASSEMBLY
6	153068	2	{00000}-{ }	BEARING
7	915019	1	{00000}-{ }	FITTING, Grease
8	164217	1	{00000}-{ }	CARRIER, Diff.
9	157120	2	{00000}-{ }	KEY, Drive
10	171515	2	{00000}-{ }	WASHER, Axle
11	171853	1	{00000}-{ }	COVER, Diff.
12	177041	1	{00000}-{ }	GEAR, Diff.
13	930671	2	{00000}-{ }	KEY, Hi Pro, 1/4 x 3/4
14	154291	1	{00000}-{ }	RING, Retaining
15	154277	1	{00000}-{ }	WASHER, Axle
16	158579	8	{00000}-{ }	PINION, Diff.
17	121083	8	{00000}-{ }	SPINDLE, Diff. Pinion
18	162085	8	{00000}-{ }	SPRING
19	171517	2	{00000}-{ }	RING, Spacer
20	171854	1	{00000}-{ }	COVER, Diff.
21	921972	8	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 2-1/2
22	923428	8	{00000}-{ }	NUT, Hex, 3/8-16
23	907727	6	{00000}-{ }	CAPSCREW, Hex, 1/4-20 x 5/8
24	916964	6	{00000}-{ }	LOCKWASHER, 1/4
25	916622	6	{00000}-{ }	NUT, Hex, 1/4-14
26	121190	1	{00000}-{ }	SEAL, Cover

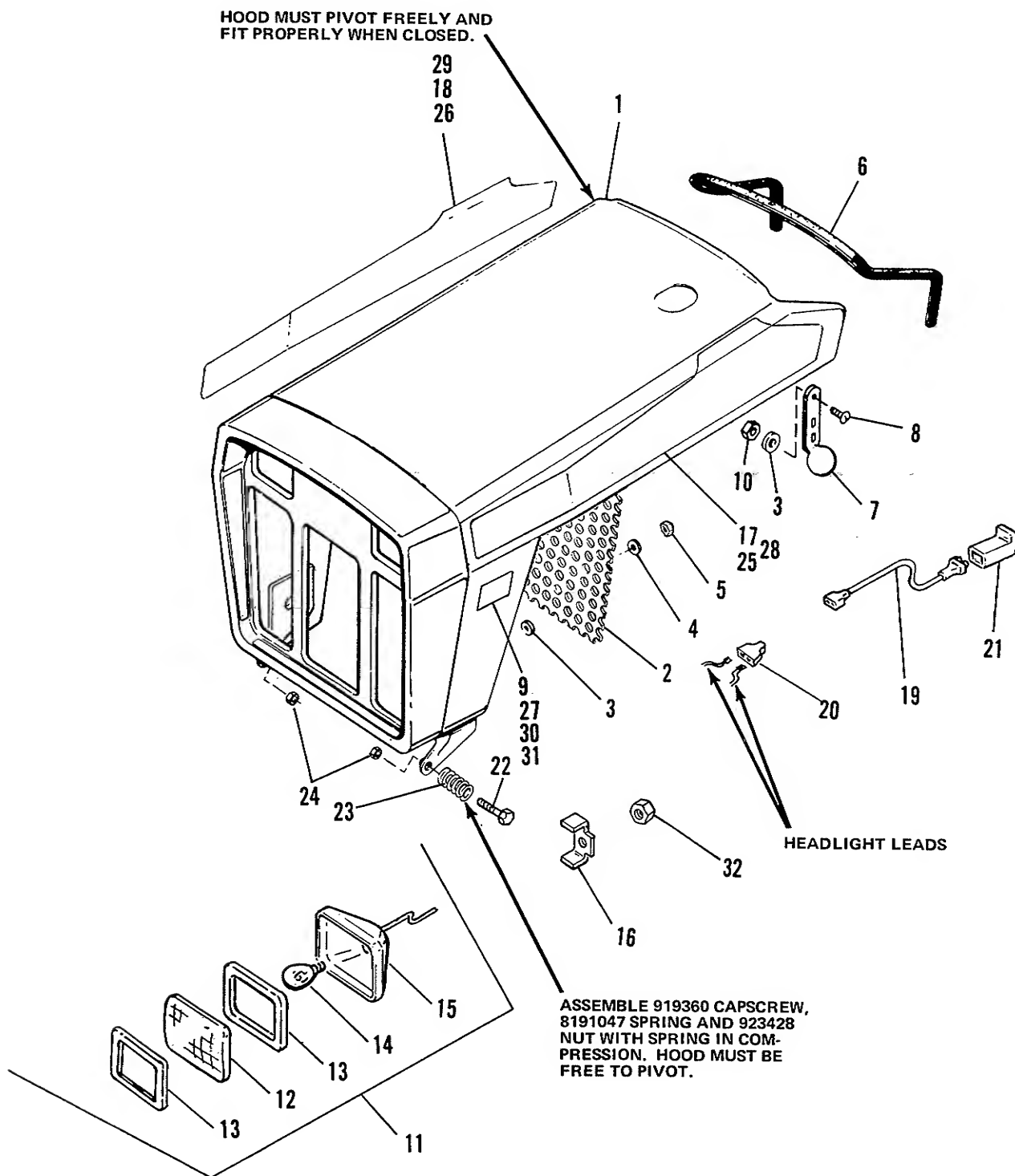


USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209
UNLESS OTHERWISE NOTED.

Ref. No.	Part No.	Qty.	Serial No.	Description
1	171811	1	(00000)-()	CABLE, Battery to Ground
2	925003	3	(00000)-()	SCREW, Taptite, 1/4-20 x 1/2
3	122216	1	(00000)-()	SOLENOID
4	922711	1	(00000)-()	LOCKWASHER, No. 10
5	917415	1	(00000)-()	NUT, Hex, No. 10-32
6	917356	8	(00000)-()	LOCKWASHER, 5/16
7	917372	5	(00000)-()	NUT, Hex, 5/16-18
8	1651103	1	(00000)-()	CABLE, Battery to Solenoid
9	122213	1	(00000)-()	CABLE, Solenoid to Start
10	1685058	1	(00000)-()	BATTERY
11	171225	1	(00000)-()	CLAMP
12	924433	2	(00000)-()	NUT, Elastic, 5/16-18
13	176912	2	(00000)-()	CLIP, Wire
14	172175	1	(00000)-()	GROMMET
15	122236	1	(00000)-()	MOTOR, Generator
16	157654	1	(00000)-()	SUPPORT ASSEMBLY
17	921332	3	(00000)-()	CAPSCREW, Hex Hd., 5/16-18 x 3/4
18	907729	3	(00000)-()	CAPSCREW, Hex Hd., 5/16-18 x 1-1/4
19	172434	2	(00000)-()	CLIP, Tinnerman
20	172436	2	(00000)-()	CLIP, Tinnerman
21	1655907	1	(00000)-()	PULLEY GUARD ASSEMBLY
22	1656452	1	(00000)-()	BRACKET
23	157102	1	(00000)-()	ARM, Adjusting
24	157524	1	(00000)-()	BELT, V — Gen.
25	917642	1	(00000)-()	WASHER, 5/16
26	106786	1	(00000)-()	CLIP, Cable
27	1657339	1	(00000)-()	PROTECTOR, Terminal

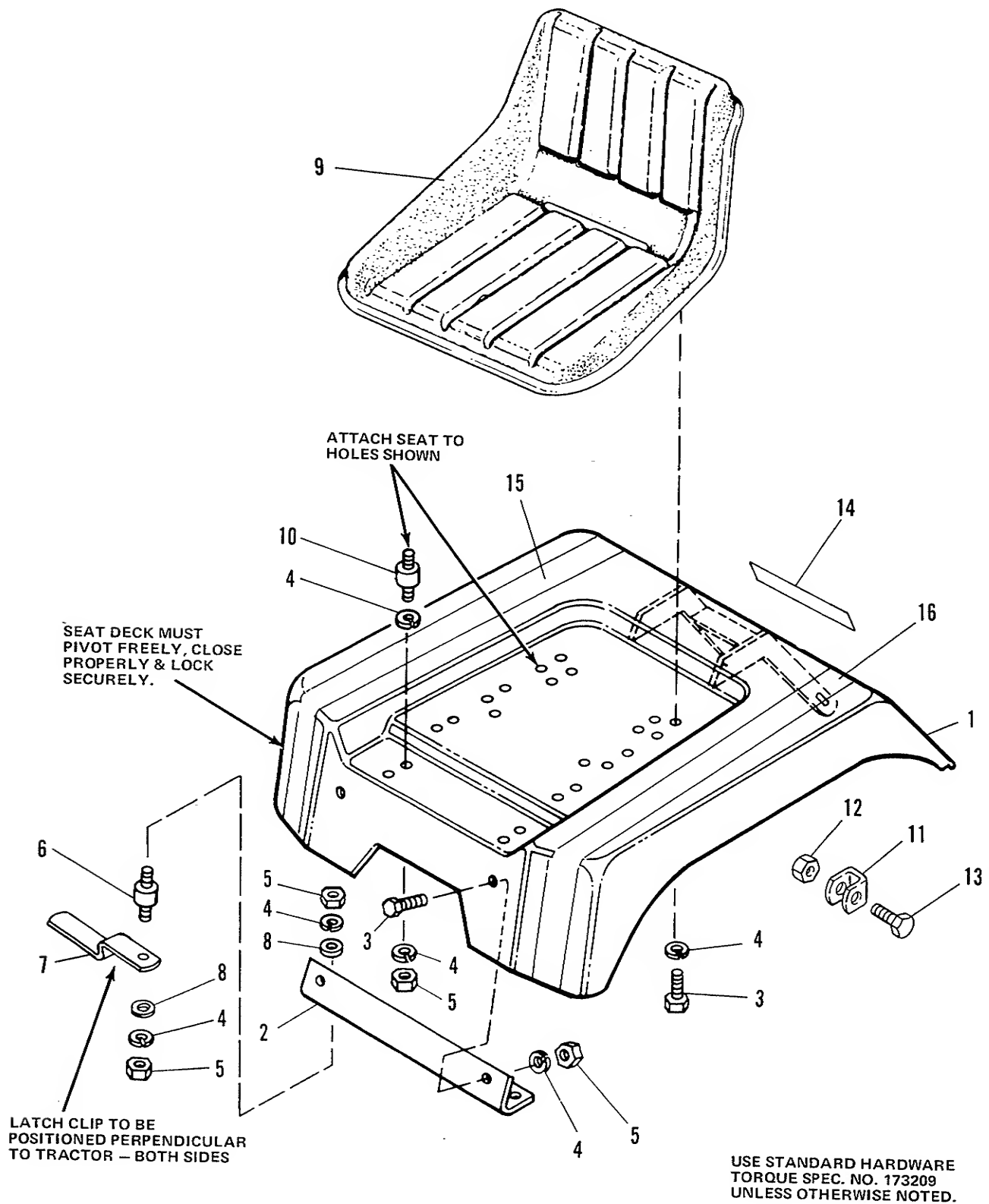


Ref. No.	Part No.	Qty.	Serial No.	Description
1	1650420	1	(00000)-()	DASH ASSEMBLY
2	1651000	1	(00000)-()	PANEL, Instrument
3	917867	6	(00000)-()	NUT, Retainer, Tinn.
4	916955	4	(00000)-()	WASHER, Plain, 3/16
5	926025	6	(00000)-()	SCREW, Mach. Rd. Hd., 1/4-20 x 1/2
6	157077	1	(00000)-()	BUSHING
7	172008	1	(00000)-()	PLATE STEERING, Adj.
8	1651170	1	(00000)-()	HANDLE, Clutch Control
9	172038	1	(00000)-()	KNOB, Tapered
10	101025	1	(00000)-()	WASHER
11	156116	1	(00000)-()	WASHER
12		1	(00000)-()	STOP, Throttle
13	159107	1	(00000)-()	WASHER
14	158424	1	(00000)-()	ARM, Throttle
15	930665	1	(00000)-()	LOCKWASHER, Dished; Shakeproof, 3/8
16	923428	1	(00000)-()	LOCKNUT, Hex, 3/8-16
17	171355	1	(00000)-()	CONTROL, Throttle
18	158475	2	(00000)-()	CLIP, Bowden Wire
19	917452	1	(00000)-()	SCREW, Rd. Hd., No. 10-32 x 1/2
20	922711	1	(00000)-()	LOCKWASHER, External, No. 10
21	917415	1	(00000)-()	NUT, Mach. Hex, No. 10-32
22	1650997	1	(00000)-()	CONTROL, Choke
23	177447	2	(00000)-()	PLUG, Button
24	122193	1	(00000)-()	REGULATOR, Voltage
25	1651128	1	(00000)-()	BOARD, Terminal
26	106132	3	(00000)-()	SPACER
27	919316	3	(00000)-()	CAPSCREW, Hex Hd., 1/4-20 x 1-3/4
28	921880	3	(00000)-()	LOCKWASHER, Shakerproof, 1/4
29	916622	3	(00000)-()	NUT, Hex, 1/4-20
30	925391	1	(00000)-()	SCREW, Hex Hd., 1/4-20 x 5/8
31	929477	1	(00000)-()	SCREW, Taptite, No. 10-24 x 1/2
32	178280	1	(00000)-()	SWITCH, Ignition
33	918906	1	(00000)-()	LOCKWASHER, Internal, 5/8
34	122234	1	(00000)-()	NUT, Hex Special
35	122203	1	(00000)-()	KEY & RING ASSEMBLY
36	122184	1	(00000)-()	SWITCH, Toggle
37		1	(00000)-()	PLATE
38		1	(00000)-()	NUT
39	1603189	1	(00000)-()	AMMETER
40	1651104	1	(00000)-()	HARNESS ASSEMBLY
41	172163	1	(00000)-()	CIRCUIT BREAKER
42	1651031	1	(00000)-()	WIRE ASSEMBLY
43	1651147	1	(00000)-()	WIRE ASSEMBLY
44	172296	1	(00000)-()	WIRE ASSEMBLY, Light Switch
45	106582	2	(00000)-()	GASKET, Felt
46	173335	1	(00000)-()	PAD, Fuel Tank
47	171115	1	(00000)-()	TANK, Fuel
48	171252	1	(00000)-()	CAP, Fuel Tank
49	1655313	2	(00000)-()	HOSE, Fuel
50	173206	1	(00000)-()	FILTER, Fuel
51	154372	4	(00000)-()	CLAMP, Hose
52	171330	2	(00000)-()	STRAP, Tank
53	172744	2	(00000)-()	STRAP, Fuel Tank
54	172119	1	(00000)-()	INSULATION, Fuel Tank
55	1651101	1	(00000)-()	DECAL, Instrument Panel
56	1657090	1	(00000)-()	DECAL, Ignition
57	1657136	1	(00000)-()	DECAL, Throttle Control
58	1657365	1	(00000)-()	DECAL, 6 Speed Control
59	928703	7	(00000)-()	NUT, Speed, Tinn.
60	930561	10	(00000)-()	SCREW, Hex Hd. Thd. Forming, No. 14 x 3/4
61	1656453	1	(00000)-()	BRACKET, Cable



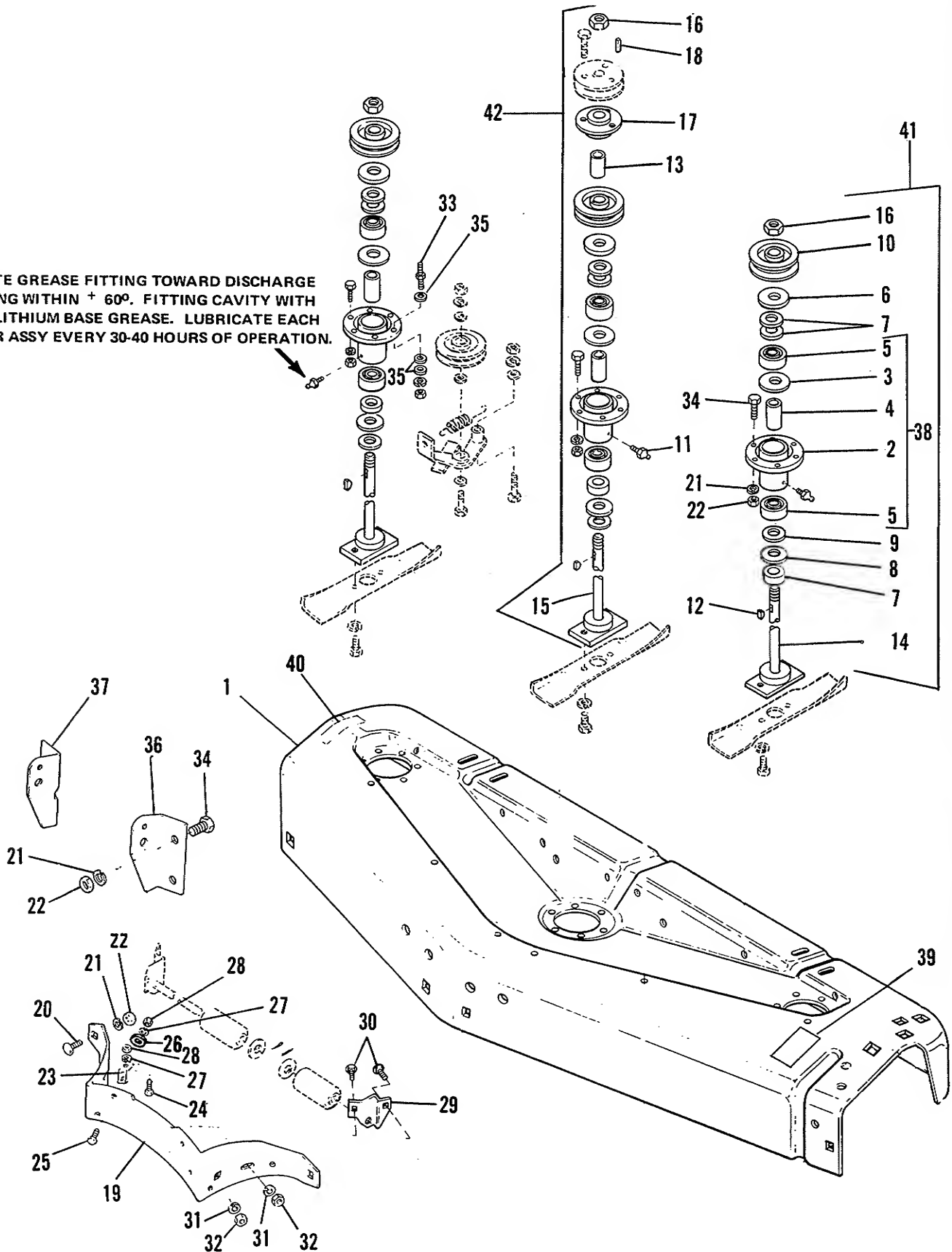
USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209
UNLESS OTHERWISE NOTED.

Ref. No.	Part No.	Qty.	Serial No.	Description
1	1656400	1	(00000)-()	HOOD & GRILLE ASSEMBLY
2	1656587	1	(00000)-()	SCREEN, Grille
3	171804	6	(00000)-()	WASHER, Special
4	922711	8	(00000)-()	LOCKWASHER, Ext. Tooth, No. 10
5	916621	4	(00000)-()	NUT, Hex, Mach., No. 10-24
6	172935	1	(00000)-()	MOULDING, Hood
7	171600	2	(00000)-()	STRAP, Hood
8	930531	2	(00000)-()	SCREW, Truss Hd., No. 10-32 x 1/2
9	1657145	2	(00000)-()	DECAL, 7016-6 Speed (7016)
10	930627	6	(00000)-()	LOCKNUT, Hex, No. 10-32
11	1656935	2	(00000)-()	LIGHT ASSEMBLY
12	1656933	2	(00000)-()	LENS
13	1654662	4	(00000)-()	GASKET
14		2	(00000)-()	BULB, No. 1293
15	1654664	2	(00000)-()	SOCKET
16	1656881	4	(00000)-()	CLIP
17	1657117	1	(00000)-()	DECAL, L.H. Hood, Sovereign (7016)
18	1657116	1	(00000)-()	DECAL, R.H. Hood, Sovereign (7016)
19	1657047	1	(00000)-()	WIRE ASSEMBLY
20	172100	1	(00000)-()	BODY, Connector
21	122182	1	(00000)-()	CONNECTOR, Insulated
22	919360	2	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
23	8191047	2	(00000)-()	SPRING
24	923428	2	(00000)-()	NUT, Hex, 3/8-16
25	1657113	1	(00000)-()	DECAL, L.H. Hood, Landlord (7010)
26	1657112	1	(00000)-()	DECAL, R.H. Hood, Landlord (7010)
27	1657143	2	(00000)-()	DECAL, 7010 6-Speed (7010)
32	932854	4	(00000)-()	LOCKNUT, Hex, Mach.

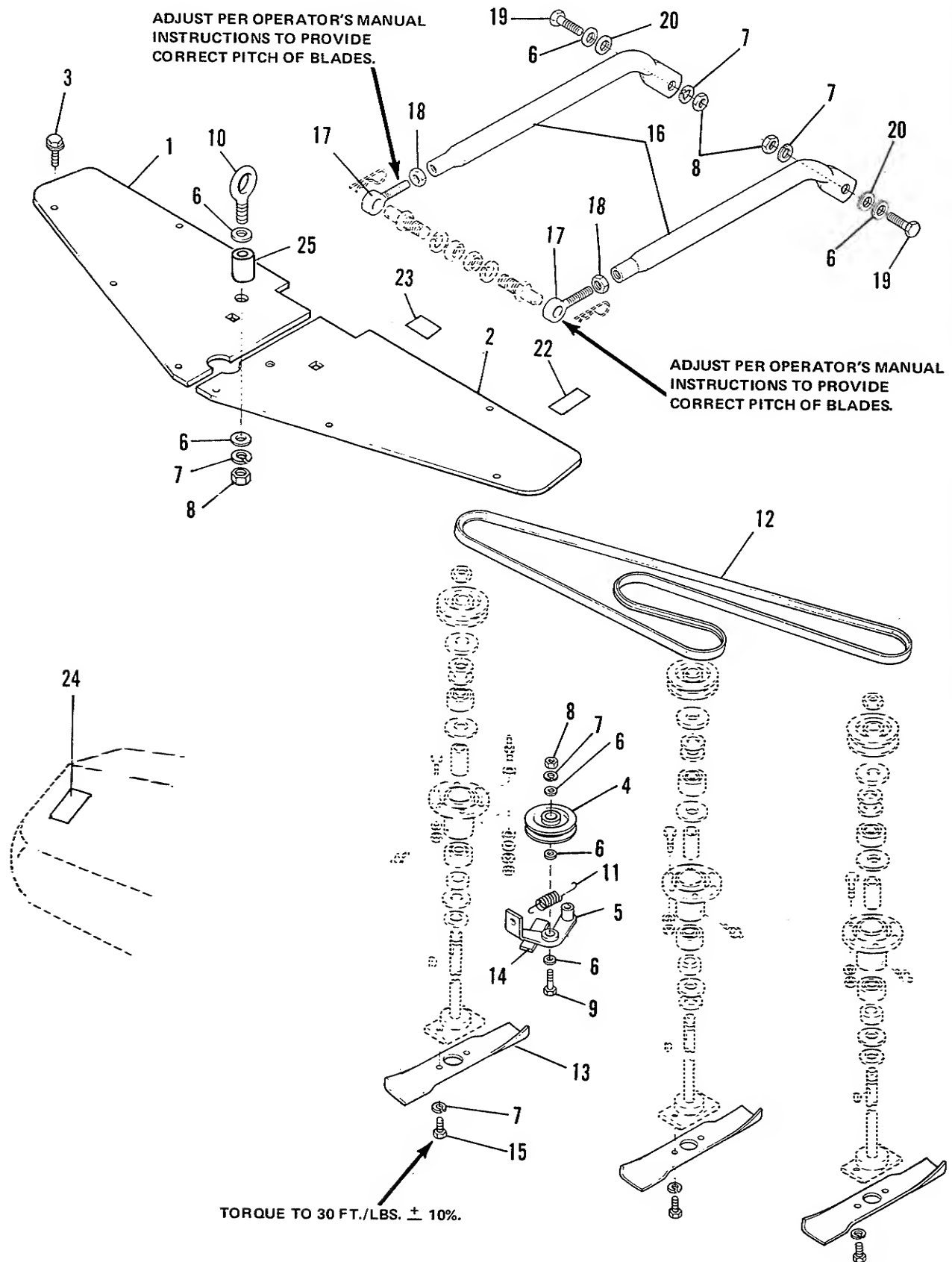


Ref. No.	Part No.	Qty.	Serial No.	Description
1	166111	1	(00000)-()	SEAT, Deck
2	164029	1	(00000)-()	BRACKET, Frt. Seat Deck
3	919318	4	(00000)-()	CAPSCREW, .312-18 x 625
4	917356	10	(00000)-()	LOCKWASHER, .312
5	917372	8	(00000)-()	NUT, Hex, Full, .312-18
6	157094	2	(00000)-()	CONNECTOR, Cushion
7	1606823	2	(00000)-()	CLIP
8	917377	4	(00000)-()	WASHER, .250 Std.
9	1657309	1	(00000)-()	SEAT
10	159085	2	(00000)-()	CONNECTOR, Cushion
11	1607870	1	(00000)-()	STOP, Seat Deck
12	923428	2	(00000)-()	LOCKNUT, Hex, .375-16
13	917400	2	(00000)-()	CAPSCREW, Hex, .375-16 x 1.25
14	153166	1	(00000)-()	DECAL, Simplicity
15	1657282	1	(00000)-()	DECAL, Strip R.H.
16	1657283	1	(00000)-()	DECAL, Strip L.H.

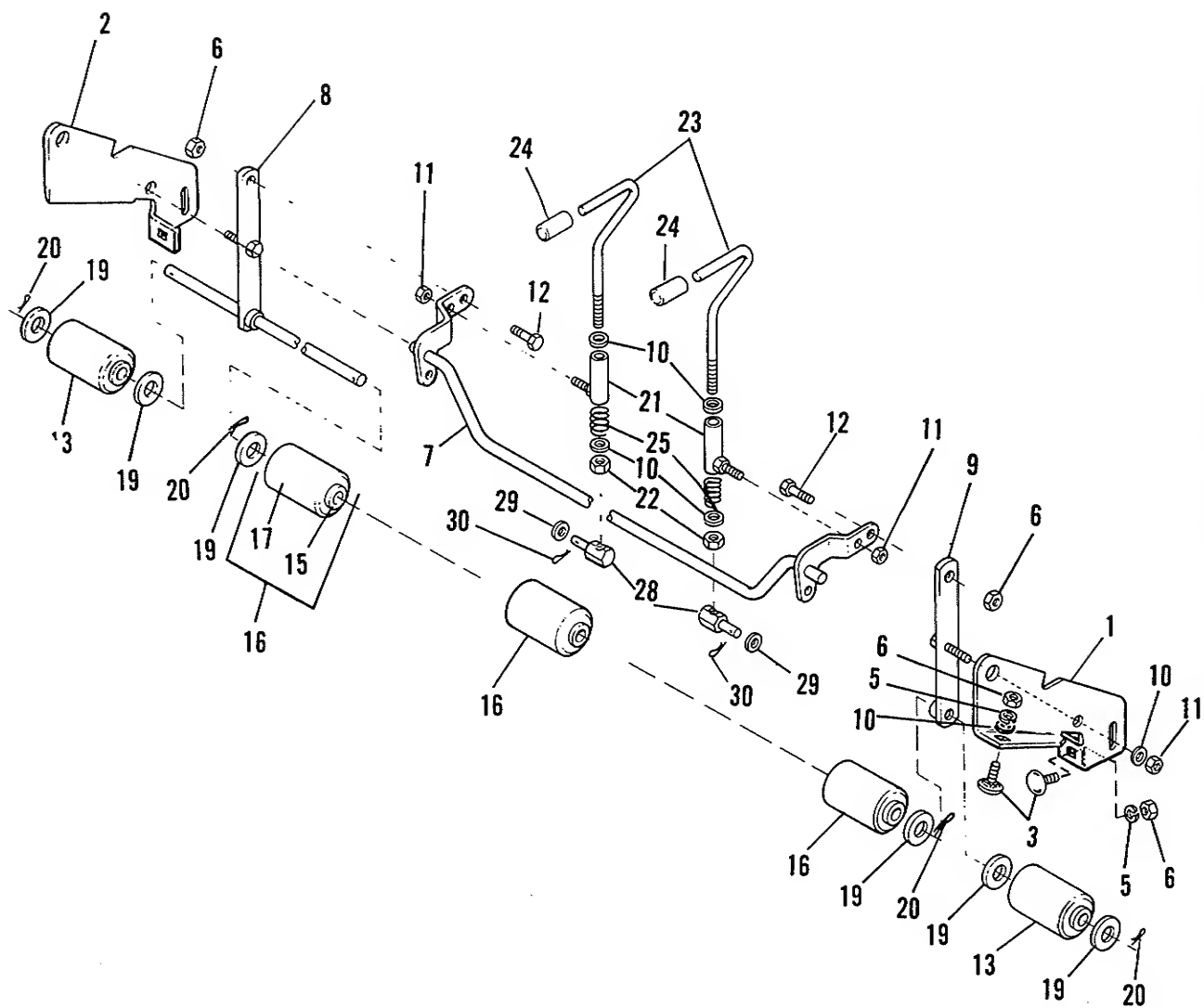
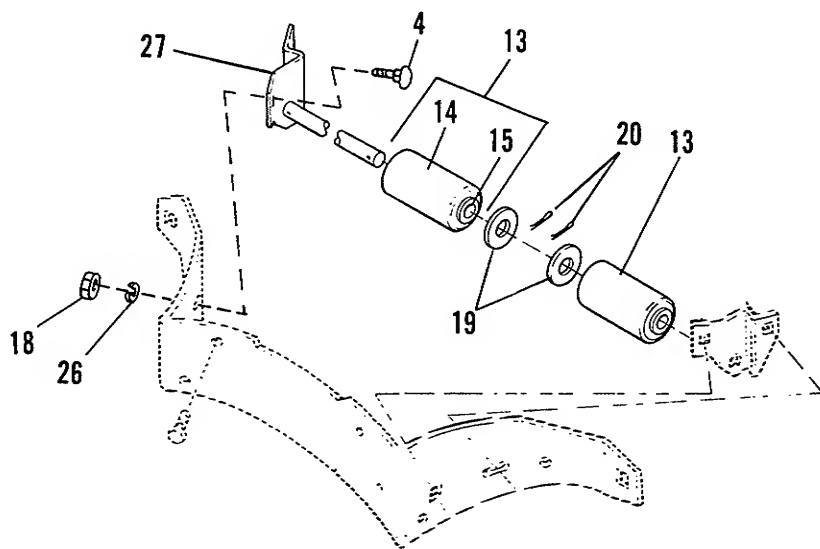
ROTATE GREASE FITTING TOWARD DISCHARGE
OPENING WITHIN $\pm 60^\circ$. FITTING CAVITY WITH
NO. 2 LITHIUM BASE GREASE. LUBRICATE EACH
ARBOR ASSY EVERY 30-40 HOURS OF OPERATION.



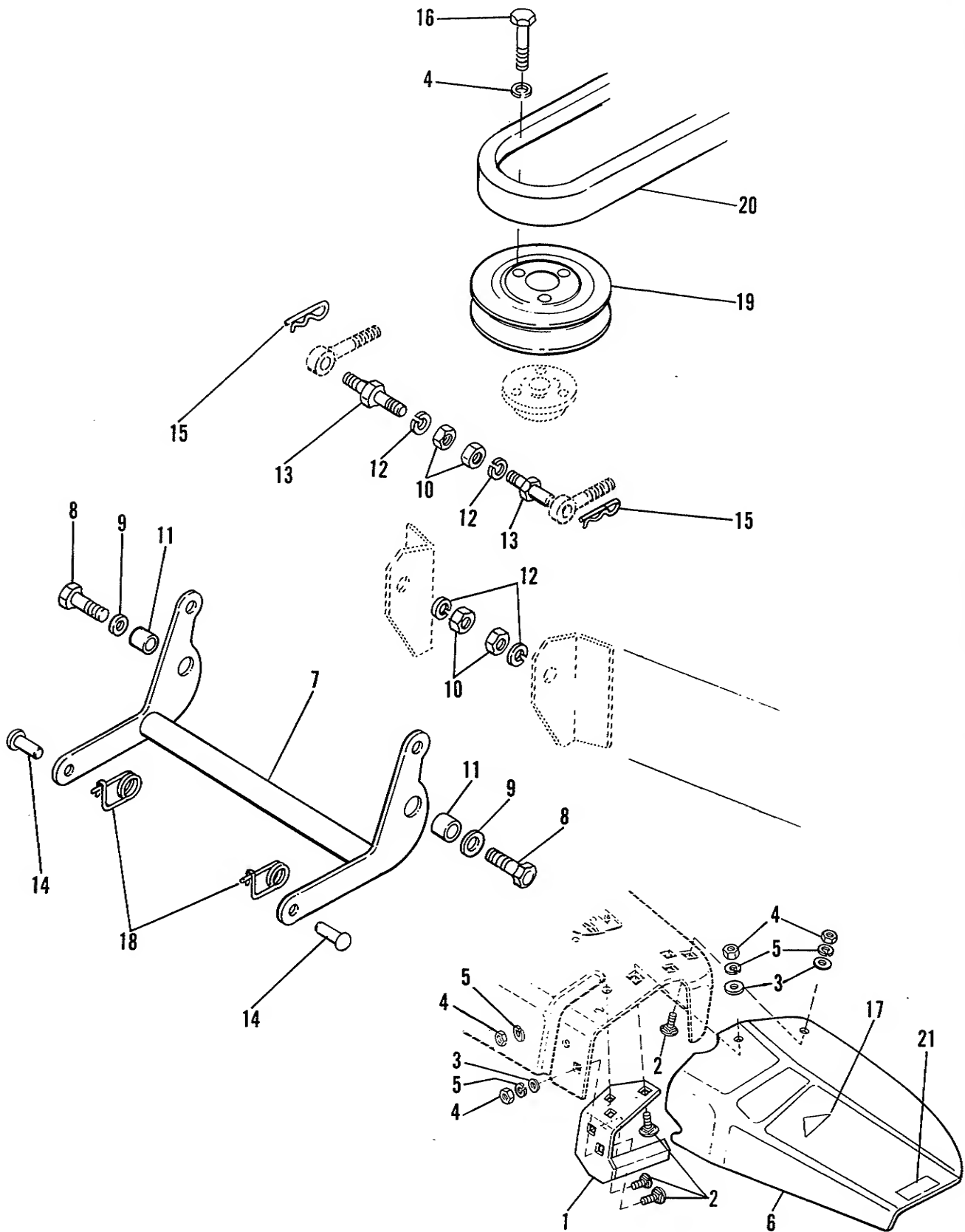
Ref. No.	Part No.	Qty.	Serial No.	Description
1	103302	1	(00000)-()	HOUSING, 42"
2	108679	3	(00000)-()	TUBE ASSY
3	108134	3	(00000)-()	BACKING RING
4	108201	3	(00000)-()	SPACER
5	108202	6	(00000)-()	BEARING
6	108139	3	(00000)-()	FLINGER
7	108181	9	(00000)-()	WASHER
8	108257	3	(00000)-()	WASHER
9	108472	3	(00000)-()	WASHER
10	177005	3	(00000)-()	PULLEY
11	913958	3	(00000)-()	FITTING, Grease
12	918312	3	(00000)-()	KEY, Woodruff, 3/16 x 5/8
13	108436	1	(00000)-()	SPACER
14	108250	1	(00000)-()	ARBOR ASSY, Outer
15	177499	1	(00000)-()	ARBOR ASSY, Center
16	922133	3	(00000)-()	NUT, Full Hex Lock, 3/4-16
17	1651404	1	(00000)-()	HUB, Pulley
18	157332	1	(00000)-()	KEY
19	108361	1	(00000)-()	BAFFLE
20	922110	2	(00000)-()	CARRIAGE BOLT, 3/8-16 x 3/4
21	916965	24	(00000)-()	LOCKWASHER, 3/8
22	916950	24	(00000)-()	NUT, Hex Full, 3/8-16
23	108186	2	(00000)-()	CLIP, Baffle
24	922125	2	(00000)-()	SCREW, Self-Tapping, 1/4-20 x 7/8
25	921959	2	(00000)-()	CAPSCREW, Hex Hd., 1/4-20 x 5/8
26	917377	2	(00000)-()	WASHER, Plain, 1/4
27	916964	4	(00000)-()	LOCKWASHER, 1/4
28	916622	4	(00000)-()	NUT, Hex Full, 1/4-20
29	108224	1	(00000)-()	BRACKET, L.H. Roller
30	923346	2	(00000)-()	CARRIAGE BOLT., 5/16-18 x 3/4
31	917356	2	(00000)-()	LOCKWASHER, 5/16
32	917372	2	(00000)-()	NUT, Hex, 5/16-18
33	156131	1	(00000)-()	STUD
34	921965	21	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 3/4
35	917642	3	(00000)-()	WASHER, Plain, 5/16
36	1651499	1	(00000)-()	BRACKET, L.H.
37	1651500	1	(00000)-()	BRACKET, R.H.
38	1650533	3	(00000)-()	BEARING & TUBE ASSY
39	176719	1	(00000)-()	DECAL, Danger
40	176720	1	(00000)-()	DECAL, Caution
41	103229	1	(00000)-()	ARBOR KIT, Side
42	103233	1	(00000)-()	ARBOR KIT, Center



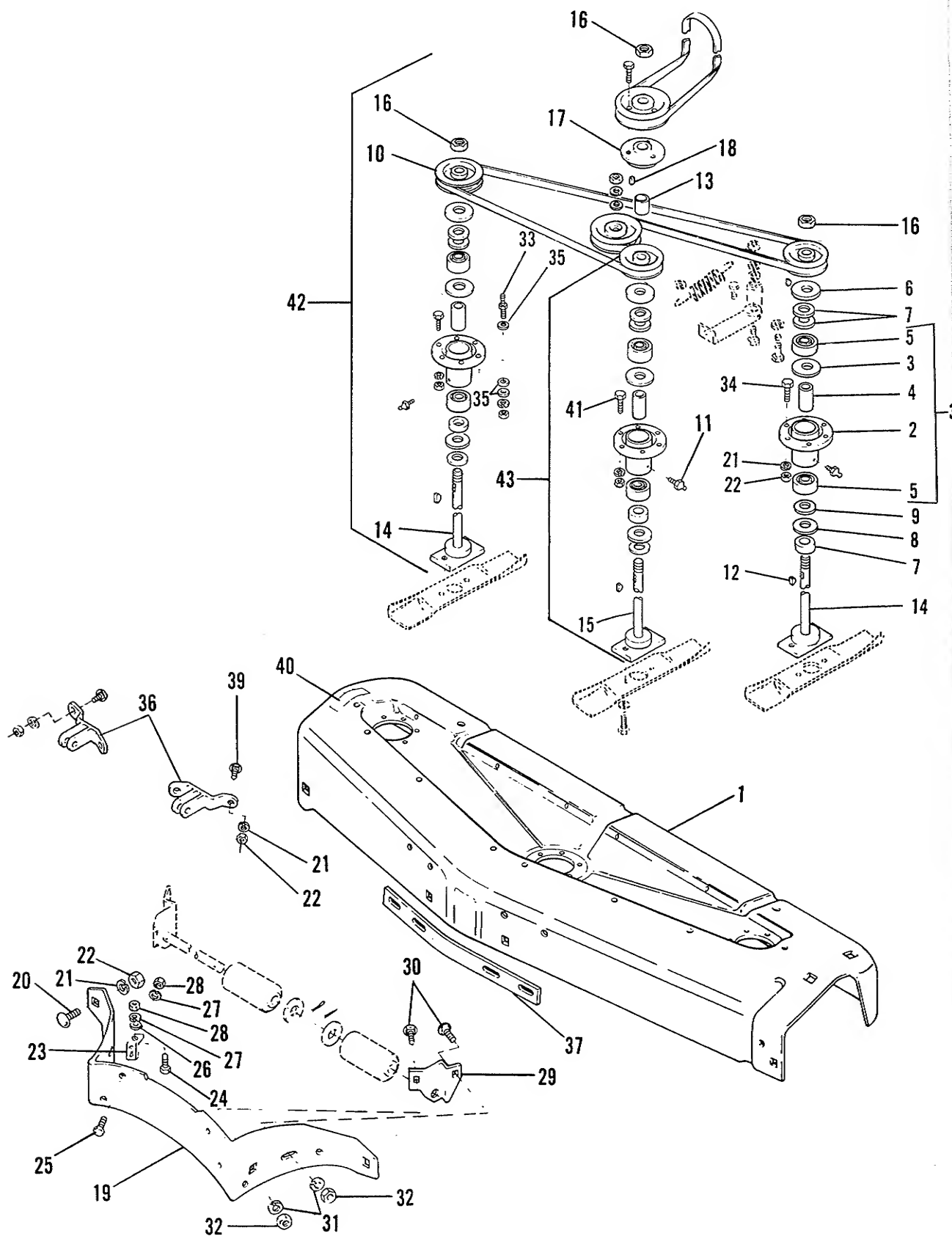
Ref. No.	Part No.	Qty.	Serial No.	Description
1	172049	1	(00000)-()	COVER, R.H.
2	172414	1	(00000)-()	COVER, L.H.
3	929000	12	(00000)-()	SCREW, Hex Hd., Self-Tapping, 1/4-20 x 3/8
4	108386	1	(00000)-()	PULLEY, Idler
5	108416	1	(00000)-()	LEVER ASSY, Idler
6	917642	7	(00000)-()	WASHER, Plain, 5/16
7	916965	10	(00000)-()	LOCKWASHER, 3/8
8	916950	4	(00000)-()	NUT, Hex Full, 3/8-16
9	108418	1	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
10	171815	1	(00000)-()	EYEBOLT
11	154369	1	(00000)-()	SPRING
12	108209	1	(00000)-()	"V" BELT, Blade Drive
13	108298	3	(00000)-()	BLADE
14	158450	1	(00000)-()	GASKET, Felt
15	922586	6	(00000)-()	CAPSCREW, Hex Hd, 3/8-16 x 5/8
16	1651520	2	(00000)-()	ARM, Adjusting
17	157215	2	(00000)-()	EYEBOLT
18	919262	2	(00000)-()	NUT, Hex Jam, 1/2-20
19	907731	2	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 1
20	153073	2	(00000)-()	SPACER
21	176151	1	(00000)-()	FILM, Safety
22	174845	1	(00000)-()	FILM, Belt Installation
23	176720	1	(00000)-()	DECAL, Caution
24	8171073	1	(00000)-()	RACE, Inner



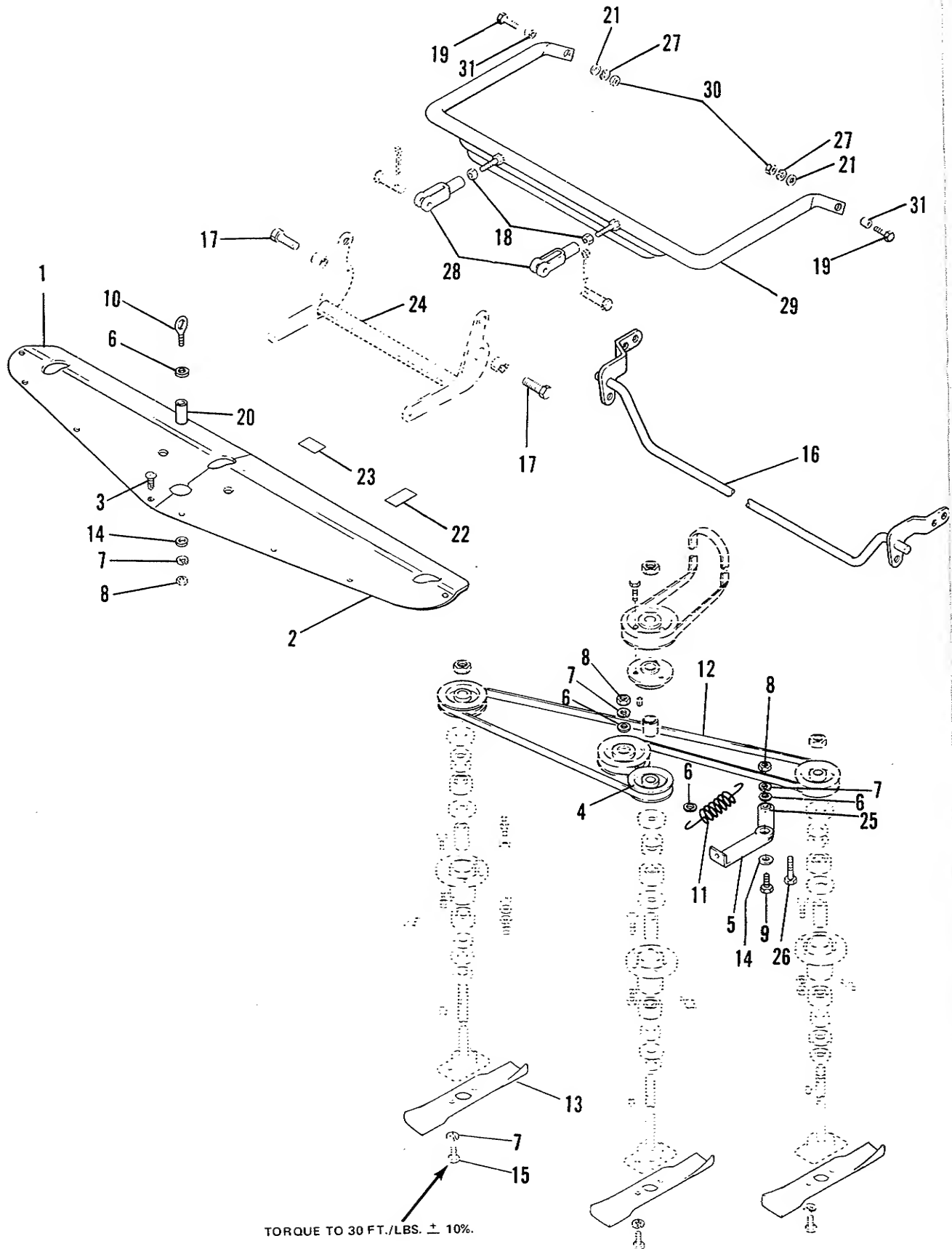
Ref. No.	Part No.	Qty.	Serial No.	Description
1	172044	1	(00000)-()	BRACKET, Roller, L.H.
2	172045	1	(00000)-()	BRACKET, Roller, R.H.
3	923347	4	(00000)-()	CARRIAGE BOLT, 3/8-16 x 3/4
4	923346	2	(00000)-()	CARRIAGE BOLT, 5/16-18 x 3/4
5	916965	4	(00000)-()	LOCKWASHER, 3/8
6	916950	6	(00000)-()	NUT, Hex Full, 3/8-16
7	1651514	1	(00000)-()	ROCKER ARM ASSY
8	171958	1	(00000)-()	SHAFT ASSY, Roller
9	172412	1	(00000)-()	BAR ASSY, Roller
10	917378	6	(00000)-()	WASHER, Plain, 3/8
11	923428	4	(00000)-()	NUT, Hex Full Lock, 3/8-16
12	907731	2	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 1
13	108431	4	(00000)-()	ROLLER ASSY
14		4	(00000)-()	ROLLER
15	108419	14	(00000)-()	BUSHING
16	108432	3	(00000)-()	ROLLER ASSY
17		3	(00000)-()	ROLLER
18	917372	2	(00000)-()	NUT, Hex Full, 5/16-18
19	177351	6	(00000)-()	WASHER, Plain, 5/8
20	918458	6	(00000)-()	PIN, Cotter, 3/16 x 1
21	108241	2	(00000)-()	SOCKET ASSY
22	917421	2	(00000)-()	NUT, Hex Jam, 3/8-16
23	1650394	2	(00000)-()	HANDLE, Adjusting
24	1651820	2	(00000)-()	GRIP
25	108360	2	(00000)-()	SPRING
26	917356	2	(00000)-()	LOCKWASHER, 5/16
27	108426	1	(00000)-()	BRACKET & SHAFT ASSY
28	108512	2	(00000)-()	PIVOT
29	917642	2	(00000)-()	WASHER, Plain, 5/16
30	922000	2	(00000)-()	PIN, Cotter, 3/32 x 5/8



Ref. No.	Part No.	Qty.	Serial No.	Description
1	174167	1	(00000)-()	GUARD ASSY, Stone
2	922109	4	(00000)-()	CARRIAGE BOLT, 3/8-16 x 1-1/4
3	8161199	3	(00000)-()	WASHER, Speical
4	916965	7	(00000)-()	LOCKWASHER, 3/8
5	916950	4	(00000)-()	NUT, Hex Full, 3/8-16
6	1651177	1	(00000)-()	DEFLECTOR
7	172468	1	(00000)-()	ROCKER ARM ASSY
8	917279	2	(00000)-()	CAPSCREW, Hex Hd., 1/2-13 x 1-1/4
9	918430	2	(00000)-()	WASHER, Plain, 7/16
10	916951	4	(00000)-()	NUT, Hex Full, 1/2-13
11	105051	2	(00000)-()	SPACER
12	916966	4	(00000)-()	LOCKWASHER, 1/2
13	1651516	2	(00000)-()	PIN, Pivot
14	118053	2	(00000)-()	PIN
15	918196	2	(00000)-()	CLIP, Spring
16	922606	3	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
17		1	(00000)-()	DECAL, OPEI
18	176012	2	(00000)-()	CLIP, Safety Pin
19	174189	1	(00000)-()	PULLEY
20	176439	1	(00000)-()	"V" BELT, PTO
21	176719	1	(00000)-()	DECAL, Danger

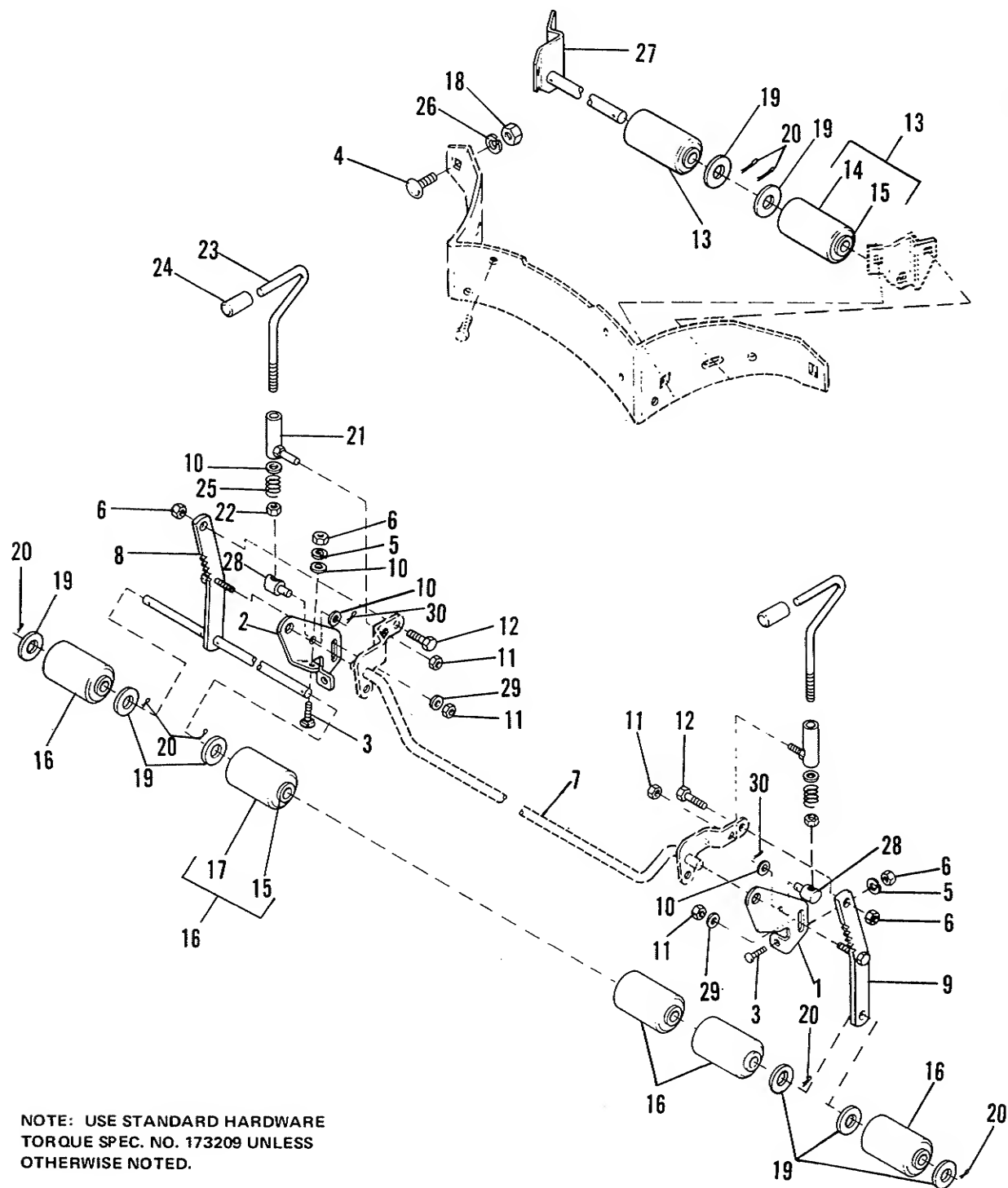


Ref. No.	Part No.	Qty.	Serial No.	Description
1	1651183	1	(00000)-()	HOUSING, 48"
2	108678	3	(00000)-()	TUBE SUB-ASSY
3	108134	3	(00000)-()	RING, Backing
4	108201	3	(00000)-()	SPACER
5	108202	6	(00000)-()	BEARING, Ball
6	108139	3	(00000)-()	FLINGER
7	108181	9	(00000)-()	WASHER
8	108257	3	(00000)-()	WASHER
9	108472	3	(00000)-()	WASHER
10	177005	3	(00000)-()	PULLEY
11	913958	3	(00000)-()	FITTING, Lube, Drive Type, 1/4
12	918312	3	(00000)-()	KEY, Woodruff, No. 61, 3/16 x 5/8
13	108436	1	(00000)-()	SPACER
14	108250	2	(00000)-()	ARBOR ASSY
15	177499	1	(00000)-()	ARBOR ASSY, Drive
16	922133	3	(00000)-()	NUT, Hex Lock, 3/4-16
17	1651404	1	(00000)-()	HUB, Pulley
18	157332	1	(00000)-()	KEY
19	108453	1	(00000)-()	BAFFLE
20	922110	2	(00000)-()	BOLT, Rd.Hd., 3/8-16 x 3/4
21	916965	24	(00000)-()	LOCKWASHER, Spring, 3/8
22	916950	24	(00000)-()	NUT, Hex, 1/4-20
23	108186	2	(00000)-()	CLIP, Baffle
24	922125	2	(00000)-()	SCREW, Thread Cutting, 1/4-20 x 7/8
25	921959	2	(00000)-()	CAPSCREW, Hex Hd., 1/4-20 x 5/8
26	917377	2	(00000)-()	WASHER, Plain, 1/4
27	916964	4	(00000)-()	LOCKWASHER, Spring, 1/4
28	916622	4	(00000)-()	NUT, Hex, 1/4-20
29	108224	1	(00000)-()	BRACKET, Roller, L.H.
30	923346	2	(00000)-()	BOLT, Rd. Hd., 5/16-18 x 3/4
31	917356	2	(00000)-()	LOCKWASHER, Spring, 5/16
32	917372	2	(00000)-()	NUT, Hex, 5/16-18
33	156131	1	(00000)-()	STUD, Stop
34	921965	16	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 3/4
35	917642	3	(00000)-()	WASHER, Plain, 5/16
36	108219	2	(00000)-()	BRACKET ASSY, Front
37	108366	1	(00000)-()	BAR, Reif.
38	1650533	3	(00000)-()	BEARING & TUBE SUB-ASSY
39	923232	4	(00000)-()	BOLT, Rd. Hd., 3/8-16 x 1
40	176720	1	(00000)-()	DECAL, Caution
41	161130	1	(00000)-()	SCREW, Special
42	103229	2	(00000)-()	ARBOR KIT, Outside
43	103233	1	(00000)-()	ARBOR KIT, Center



Ref. No.	Part No.	Qty.	Serial No.	Description
1	172076	1	(00000)-()	COVER, R.H.
2	172354	1	(00000)-()	COVER, L.H.
3	929000	14	(00000)-()	SCREW, Hex, Taptite, 1/4-20 x 3/8
4	108386	1	(00000)-()	PULLEY, Idler
5	108473	1	(00000)-()	LEVER ASSY, Idler
6	917642	4	(00000)-()	WASHER, Plain, 5/16
7	916965	9	(00000)-()	LOCKWASHER, Spring, 3/8
8	916950	3	(00000)-()	NUT, Hex, 3/8-16
9	108418	1	(00000)-()	SCREW
10	171815	1	(00000)-()	EYEBOLT
11	108449	1	(00000)-()	SPRING, Tension
12	108450	1	(00000)-()	BELT, "V", Mower Drive
13	108448	3	(00000)-()	BLADE, Knife
14	917378	2	(00000)-()	WASHER, Plain, 3/8
15	922586	6	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 5/8
16	172015	1	(00000)-()	ARM ASSY, Rocker
17	930574	2	(00000)-()	CAPSCREW, Hex Hd., 1/2-20 x 3
18	919262	2	(00000)-()	NUT, Hex, Jam, 1/2-20
19	917279	2	(00000)-()	CAPSCREW, Hex Hd., 1/2-13 x 1-1/4
20	172082	1	(00000)-()	SPACER
21	918430	2	(00000)-()	WASHER, Plain, 7/16
22	176151	1	(00000)-()	FILM, Safety
23	174845	1	(00000)-()	FILM, Belt Installation
*24	108794	1	(00000)-()	ARM ASSY, Rocker
25	8171073	1	(00000)-()	RACE, Inner
26	919361	1	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
27	916966	2	(00000)-()	LOCKWASHER, Spring, 1/2
28	154304	2	(00000)-()	YOKE, End Adj.
29	172473	1	(00000)-()	BAIL ASSY
30	916951	2	(00000)-()	NUT, Hex, 1/2-13
31	105051	2	(00000)-()	SPACER

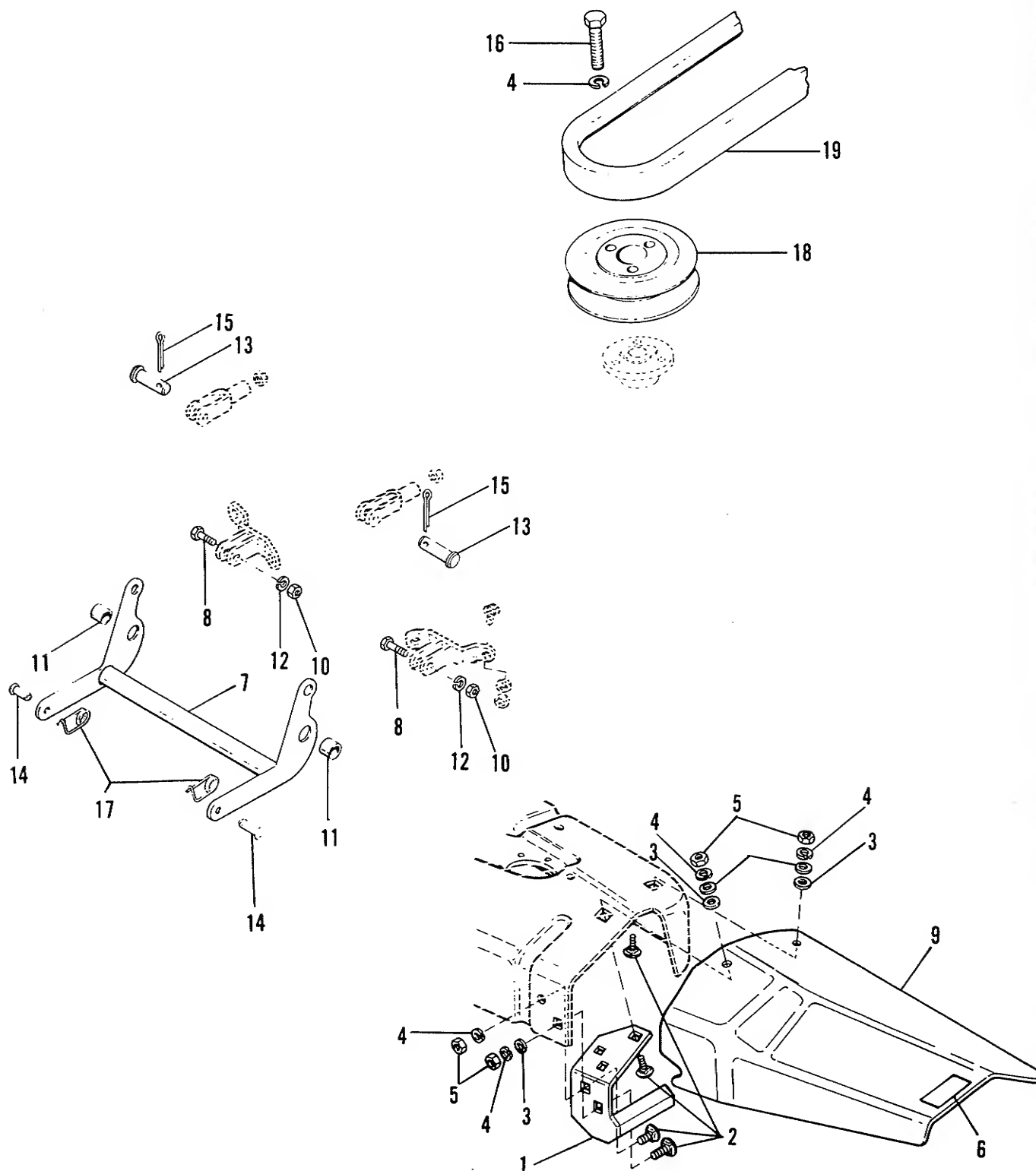
*FOR SERVICE SEE DEFLECTOR, STONE GUARD & ROCKER ARM GROUP



NOTE: USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209 UNLESS
OTHERWISE NOTED.

Ref. No.	Part No.	Qty.	Serial No.	Description
1	172046	1	(00000)-()	BRACKET, Roller, L.H.
2	172047	1	(00000)-()	BRACKET, Roller, R.H.
3	923347	4	(00000)-()	BOLT, Rd. Hd., 3/8-16 x 3/4
4	923346	2	(00000)-()	BOLT, Rd. Hd., 5/16-18 x 3/4
5	916965	4	(00000)-()	LOCKWASHER, Spring, 3/8
6	916950	6	(00000)-()	NUT, Hex, 3/8-16
* 7		1	(00000)-()	ARM ASSY, Rocker
8	172075	1	(00000)-()	SHAFT ASSY, Roller
9	108465	1	(00000)-()	BAR SUB-ASSY, Roller
10	917378	6	(00000)-()	WASHER, Plain, 3/8
11	923428	4	(00000)-()	NUT, Hex, Full Lock, 3/8-16
12	907731	2	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 1
13	108431	2	(00000)-()	ROLLER SUB-ASSY
14		2	(00000)-()	ROLLER
15	108419	14	(00000)-()	BUSHING
16	108432	5	(00000)-()	ROLLER ASSY
17		5	(00000)-()	ROLLER
18	917372	2	(00000)-()	NUT, Hex, 5/16-18
19	919387	8	(00000)-()	WASHER, Plain, 5/8
20	918458	7	(00000)-()	PIN, Cotter, 3/16 x 1
21	108241	2	(00000)-()	SOCKET ASSY
22	917421	2	(00000)-()	NUT, Hex, Jam, 3/8-16
23	1650394	2	(00000)-()	HANDLE, Adj.
24	1651820	2	(00000)-()	GRIP
25	108360	2	(00000)-()	SPRING, Adj. Screw
26	917356	2	(00000)-()	LOCKWASHER, 5/16
27	108454	1	(00000)-()	BRACKET & SHAFT ASSY
28	108512	2	(00000)-()	PIVOT
29	917642	2	(00000)-()	WASHER, Plain, 5/16
30	922000	2	(00000)-()	PIN, Cotter, 3/32 x 5/8

* FOR SERVICE SEE COVER, DRIVE & BAIL GROUP



Ref. No.	Part No.	Qty.	Serial No.	Description
1	174127	1	(00000)-()	GUARD ASSY, Stone
2	922109	4	(00000)-()	BOLT, Rd. Hd., 3/8-16 x 1-1/4
3	8161199	3	(00000)-()	WASHER, Special
4	916965	7	(00000)-()	LOCKWASHER, Spring, 3/8
5	916950	4	(00000)-()	NUT, Hex, 3/8-16
6	176719	1	(00000)-()	DECAL, Danger
7	172468	1	(00000)-()	ARM ASSY, Rocker
8	917279	2	(00000)-()	CAPSCREW, Hex Hd., 1/2-13 x 1-1/4
9	1651184	1	(00000)-()	DEFLECTOR
10	916951	2	(00000)-()	NUT, Hex, 1/2-13
11	105051	2	(00000)-()	SPACER
12	916966	2	(00000)-()	LOCKWASHER, Spring, 1/2
13	154305	2	(00000)-()	PIN, Yoke
14	118053	2	(00000)-()	PIN,
15	918452	2	(00000)-()	PIN, Cotter, 1/8 x 1
16	922606	3	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4, Gr. 8
17	176012	2	(00000)-()	CLIP, Safety Pin
18	174190	1	(00000)-()	PULLEY
19	163011	1	(00000)-()	BELT, "V", Tractor to Mower

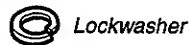
Hardware Identification & Torque Specifications

Common Hardware Types

Hex Head Capscrew



Washer



Lockwasher

Carriage Bolt



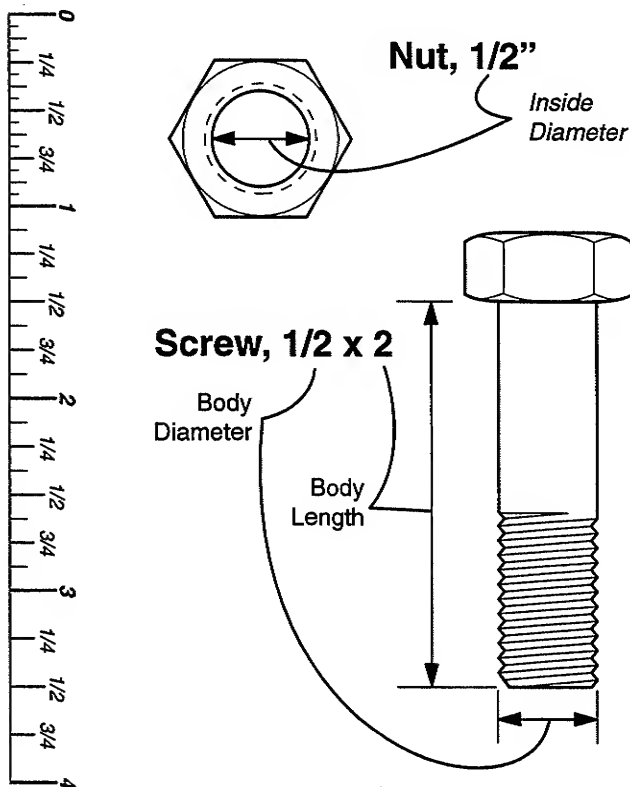
Hex Nut

Standard Hardware Sizing

When a washer or nut is identified as $\frac{1}{2}$ ", this is the *Nominal size*, meaning the *inside diameter* is $\frac{1}{2}$ inch; if a second number is present it represents the *threads per inch*

When bolt or capscrew is identified as $\frac{1}{2}$ - 16 x 2", this means the *Nominal size*, or *body diameter* is $\frac{1}{2}$ inch; the second number represents the *threads per inch* (16 in this example, and the final number is the *body length* of the bolt or screw (in this example 2 inches long).

The guides and ruler furnished below are designed to help you select the appropriate hardware and tools.



Torque Specification Chart

FOR STANDARD MACHINE HARDWARE (Tolerance $\pm 20\%$)

Hardware Grade	No Marks		SAE Grade 2		SAE Grade 5		SAE Grade 8	
	SAE Grade 2		SAE Grade 5		SAE Grade 8		SAE Grade 8	
Size Of Hardware	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
8-32	19	2.1	30	3.4	41	4.6		
8-36	20	2.3	31	3.5	43	4.9		
10-24	27	3.1	43	4.9	60	6.8		
10-32	31	3.5	49	5.5	68	7.7		
1/4-20	66	7.6	8	10.9	12	16.3		
1/4-28	76	8.6	10	13.6	14	19.0		
5/16-18	11	15.0	17	23.1	25	34.0		
5/16-24	12	16.3	19	25.8	27	34.0		
3/8-16	20	27.2	30	40.8	45	61.2		
3/8-24	23	31.3	35	47.6	50	68.0		
7/16-14	30	40.8	50	68.0	70	95.2		
7/16-20	35	47.6	55	74.8	80	108.8		
1/2-13	50	68.0	75	102.0	110	149.6		
1/2-20	55	74.8	90	122.4	120	163.2		
9/16-12	65	88.4	110	149.6	150	204.0		
9/16-18	75	102.0	120	163.2	170	231.2		
5/8-11	90	122.4	150	204.0	220	299.2		
5/8-18	100	136	180	244.8	240	326.4		
3/4-10	160	217.6	260	353.6	386	525.0		
3/4-16	180	244.8	300	408.0	420	571.2		
7/8-9	140	190.4	400	544.0	600	816.0		
7/8-14	155	210.8	440	598.4	660	897.6		
1-8	220	299.2	580	788.8	900	1,244.0		
1-12	240	326.4	640	870.4	1,000	1,360.0		

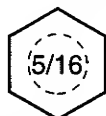
NOTES

- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
 - for prevailing torque locknuts - use 65% of grade 5 torques.
 - for flange whizlock nuts and screws - use 135% of grade 5 torques.
- Unless otherwise noted on assembly drawings, all torque values must meet this specification.

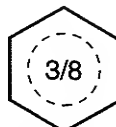
Wrench & Fastener Size Guide



$\frac{1}{4}$ " Bolt or Nut
Wrench— $\frac{7}{16}$ "



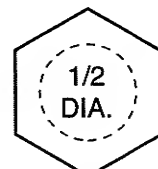
$\frac{5}{16}$ " Bolt or Nut
Wrench— $\frac{1}{2}$ "



$\frac{3}{8}$ " Bolt or Nut
Wrench— $\frac{9}{16}$ "



$\frac{7}{16}$ " Bolt or Nut
Wrench (Bolt)— $\frac{5}{8}$ "
Wrench (Nut)— $\frac{11}{16}$ "



$\frac{1}{2}$ " Bolt or Nut
Wrench— $\frac{3}{4}$ "

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